CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Elimination of railroad crossings, Dayton, O., City plans bond election, $8,000,000; railroads appropriate $11,000,000.

Waterworks improvement, Waco, Tex., City plans bond election, $3,500,000.

Apartment, New York, N. Y., Simon & Hartstein having plans prepared, $3,000,000.

Hotel, Dayton, O., Wilbur Wright Hotel Co. having plans prepared, $2,500,000.

Dams, New Braunfels, Tex., Guadalupe Power Co. plans 3 concrete dams, $2,500,000.

Apartment, Chicago, Ill., Syndicate having plans prepared, $2,000,000.

Hotel, Santa Barbara, Calif., Biltmore Hotel Corp. plans building, $2,000,000.

Reclaiming Seawall, New Orleans, La., Orleans Parish Levee Bd. plans reclaiming seawall, $2,000,000.

Gas pipe line, Texas, C. R. Broadwell, Oklahoma City, Okla., plans gas pipe line, $2,000,000.

Club, Chicago, Ill., Casa Del Mar Club having sketches made, $2,000,000.

Power line, New Braunfels, Tex., Comal Power Co. and San Antonio Pub. Serv. Co. plans line, $2,000,000.

Theatre, store and office, Sioux City, Ia., A. Sanford takes bids in early fall, $1,800,000.

Streets, sewers and waterworks, Winston, N. C., City plans work, $1,575,000.

Bascule bridge, Chicago, Ill., City takes bids about Oct. 6, $1,500,000.

Irrigation, Brownwood, Tex., Brown Co. Water Conservation Dist. having preliminary surveys made, $1,500,000.

Theatre, San Antonio, Tex., Loews Inc. having plans prepared, $1,500,000.

Paving, Panhandle, Tex., Carson Co. plans rein.-con. paving, $1,500,000.

Sewers, St. Paul, Minn., plans bond election, $1,500,000.

Auditorium, Pasadena, Calif., plans bond election, $1,250,000.

Bridge, Nashville, Tenn., Davidson Co. voted bonds, $1,000,000.

Yacht Club, La Jolla, Calif., R. B. Stacy-Judd, archts., preparing plans, $1,000,000.

Office, New York, N. Y., Seventy-Four 2nd Ave. Corp. having plans prepared, $1,000,000.

Bids Desired

Theatre, Omaha, Neb., Aug. 16, Orpheum Circuit, $1,000,000.

Contracts

Office, New York, N. Y., American News Co. to Cauldwell-Wingate Co., $3,000,000.

Loft, New York, N. Y., Kymson Realty Co. by separate contracts, $2,800,000.

Club, Chicago, Ill., Michaelson & Rognstod, archts., for Mid-West Athletic Club by separate contracts, $2,500,000.

Apartment, Chicago, Ill., R. S. De Goyler & Co., archts., by separate contracts, $2,500,000.

Classified Index of Bids Wanted

Waterworks

Bids close — *See Eng. News-Record*

Aug. 13 Akron, O. ..... Aug. 5
Aug. 16 Red Bank, N. J. ..... Aug. 5
Adv. July 29 to Aug. 12.
Aug. 16 Ravenna, O. ..... Aug. 5
Adv. Aug. 5 and 12.
Aug. 17 Warsaw, Ill. ..... Aug. 5
Aug. 17 Elizabeth City, N. C. ..... July 29
Aug. 17 Oklahoma City, Okla. ..... Aug. 12
Aug. 17 Ely, Minn. ..... Aug. 12
Aug. 19 Tessville, Ill. ..... Aug. 12
Aug. 19 Gillett, Wis. ..... Aug. 12
Aug. 23 Kingston, N. Y. ..... Aug. 12
Adv. Aug. 12.
Aug. 25 Providence, R. I. ..... Aug. 5
Adv. Aug. 5 and 12.
Sept. 1 Cambridge (Boston P. O.), Mass. ..... Aug. 12
Adv. Aug. 12.
Sept. 2 Fremont, O. ..... Aug. 12
Adv. Aug. 12.
Sept. 9 Newark, N. J. ..... Aug. 12
Adv. Aug. 12.
Sept. 30 Santo Domingo, W. I. ..... July 22
Adv. July 15, 29 and Aug. 12.

Sewers

Aug. 14 Willowick, O. ..... Aug. 5
Aug. 14 Versailles, Mo. ..... Aug. 12
Aug. 16 Jackson, Mich. ..... Aug. 5
Aug. 17 Port Washington, N. Y. ..... July 29
Aug. 17 Holdrege, Neb. ..... Aug. 12
Aug. 17 McComb, Miss. ..... Aug. 12
Aug. 17 Ely, Minn. ..... Aug. 12
Aug. 17 New York, N. Y. ..... Aug. 12
Aug. 18 Butler, N. J. ..... Aug. 12
Aug. 18 Boston, Mass. ..... Aug. 12
Aug. 19 Davis, Calif. ..... Aug. 12
Aug. 20 Ellisville, Miss. ..... Aug. 5
Aug. 20 Nanty Glo, Pa. ..... Aug. 12
Aug. 23 Brighton (Boston P. O.), Mass. ..... Aug. 12
Aug. 24 East White Plains, N. Y. ..... Aug. 5
Adv. Aug. 5 and 12.
Aug. 24 Excelsior Springs, Mo. ..... Aug. 12
Aug. 25 Boston, Mass. ..... Aug. 12
Aug. 30 Jenkintown, Pa. ..... Aug. 12
Adv. Aug. 12.
Sept. 8 Brooklyn, N. Y. ..... Aug. 12
Adv. Aug. 12.
Sept. 8 Marcy, N. Y. ..... Aug. 12
Adv. Aug. 12.

Waste Disposal

Aug. 17 Memphis, Tenn. ..... July 22
Adv. July 29 to Aug. 12.
Aug. 13 Ohio ..... Aug. 5
Aug. 14 La Porte, Ind. ..... July 29
Aug. 16 New Jersey ..... July 29

Bridges

Bids close — *See Eng. News-Record*

Aug. 16 Phila., Pa. ..... Aug. 12
Aug. 17 Virginia ..... Aug. 5
Aug. 17 New York ..... Aug. 5
Aug. 17 Louisiana ..... Aug. 5
Aug. 17 Richfield, Kan. ..... Aug. 12
Aug. 17 Pennsylvania ..... Aug. 12
Aug. 18 Illinois ..... Aug. 12
Aug. 18 Alabama ..... Aug. 12
Aug. 18 Wisconsin ..... Aug. 12
Aug. 18 Freehold, N. J. ..... Aug. 12
Adv. Aug. 12.
Aug. 23 Carrolton, Ky. ..... Aug. 5
Aug. 24 New York and New Jersey ..... Aug. 5
Aug. 26 South Carolina ..... Aug. 5
Aug. 31 St. Louis, Mo. ..... Aug. 12
Sept. 1 Scarsdale, N. Y. ..... Aug. 12
Adv. Aug. 12.
Sept. 1 Jacksonville, Fla. ..... Aug. 12
Adv. Aug. 12.
Dec. 1 Copenhagen, Denmark ..... July 15

Dams

Aug. 16 Newton, N. J. ..... Aug. 12
Adv. Aug. 12.
Aug. 19 Chicopee, Mass. ..... Aug. 5

Railways

Aug. 17 Massachusetts ..... July 29
Aug. 31 Massachusetts ..... Aug. 12
Adv. Aug. 12.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Aug. 16 New Jersey ..... July 29
Aug. 16 Boston, Mass. ..... Aug. 12
Aug. 20 Shreveport, La. ..... Aug. 12
Aug. 23 New Jersey ..... Aug. 5
Aug. 25 Fairfield, Ill. ..... Aug. 12
Sept. 7 Buffalo, N. Y. ..... Aug. 12

Streets and Roads

Aug. 13 Ohio ..... Aug. 12
Aug. 13 Medford (Boston P. O.), Mass. ..... Aug. 12
Aug. 14 Sergeantsville, N. J. ..... Aug. 5
Aug. 15 Anderson, Ind. ..... Aug. 5
Aug. 16 Monongahela City, Pa. ..... Aug. 12
Aug. 16 Morgantown, W. Va. ..... July 22
Aug. 16 New Jersey ..... July 29
Aug. 16 Cleveland, O. ..... July 29
Aug. 16 Crown Point, Ind. ..... Aug. 5
Aug. 16 Ponca, Neb. ..... Aug. 12
Aug. 16 Hope, Ark. ..... Aug. 12

Bids close — *See Eng. News-Record*

Aug. 16 McKees Rocks, Pa. ..... Aug. 12
Aug. 16 Union, N. J. ..... Aug. 12
Aug. 16 Green Castle, Ind. ..... Aug. 12
Aug. 16 Anderson, Ind. ..... Aug. 12
Aug. 16 Wheeling, W. Va. ..... Aug. 12
Aug. 17 Ft. Worth, Tex. ..... Aug. 5
Aug. 17 Onawa, Ia. ..... Aug. 5
Aug. 17 Washington ..... July 29
Aug. 17 St. Louis, Mo. ..... Aug. 5
Aug. 17 Somerville, N. J. ..... Aug. 12
Adv. Aug. 12.
Aug. 17 Bristol, R. I. ..... Aug. 12
Aug. 17 Georgetown, Tex. ..... Aug. 12
Aug. 17 Cuthbert, Ga. ..... Aug. 12
Aug. 17 Massachusetts ..... Aug. 12
Aug. 17 New York, N. Y. ..... Aug. 12
Aug. 17 Louisiana ..... Aug. 12
Aug. 18 Alabama ..... July 29
Aug. 18 San Francisco, Calif. ..... Aug. 5
Aug. 18 Nevada ..... Aug. 12
Aug. 18 Illinois ..... Aug. 12
Aug. 18 Alabama ..... Aug. 12
Aug. 18 Brooklyn, N. Y. ..... Aug. 12
Aug. 19 California ..... Aug. 5
Aug. 19 Evanston, Ill. ..... Aug. 12
Aug. 19 Anderson, Tex. ..... Aug. 12
Aug. 20 Denison, Ia. ..... Aug. 12
Aug. 20 Stamford, Conn. ..... Aug. 12
Adv. Aug. 12.
Aug. 20 Dayton, O. ..... Aug. 12
Aug. 21 Columbus, O. ..... Aug. 12
Aug. 23 Kentucky ..... Aug. 5
Aug. 23 California ..... Aug. 5
Aug. 23 New Mexico ..... Aug. 12
Aug. 24 Paducah, Ky. ..... Aug. 12
Adv. Aug. 12.
Aug. 24 West Virginia ..... Aug. 5
Adv. Aug. 5 and 12.
Aug. 24 Pennsylvania ..... Aug. 5
Adv. Aug. 5 and 12
Aug. 24 Oskaloosa, Kan. ..... Aug. 5
Aug. 24 Minnesota ..... Aug. 12
Aug. 24 North Carolina ..... Aug. 12
Aug. 24 Massachusetts ..... Aug. 12
Aug. 24 Louisiana ..... Aug. 12
Aug. 25 Sedan, Kan. ..... Aug. 5
Aug. 26 Middletown, N. J. ..... Aug. 12
Adv. Aug. 12.
Aug. 27 Troy, Kan. ..... Aug. 5
Aug. 27 Florida ..... Aug. 12
Aug. 28 Goshen, Ind. ..... July 15
Aug. 30 Ft. Scott, Kan. ..... Aug. 12
Aug. 30 New Jersey ..... Aug. 12
Adv. Aug. 12.
Aug. 31 Mankato, Kan. ..... Aug. 12
Sept. 1 New Philadelphia, O. ..... July 29
Sept. 1 Birmingham, Ala. ..... Aug. 5
Sept. 1 Lisbon, O. ..... Aug. 5
Sept. 1 Delaware ..... Aug. 5
Sept. 1 Cuba ..... Aug. 5
Adv. Aug. 5 and 12.

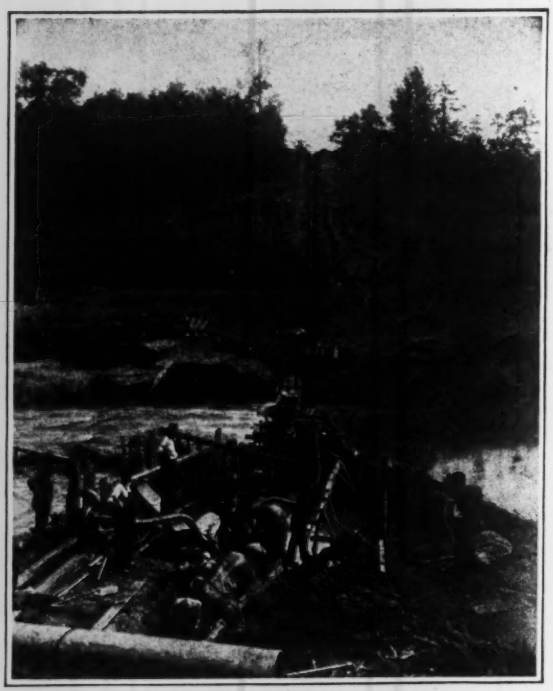
See proposal advertising on page 129

Constr. News page 101

TRADE "LEADITE" MARK

Registered U. S. Pat. Office

30 Years = Confidence



Laying 14 miles of 18-in. c. i. bell and spigot water mains with LEADITE joints.

Water works men use LEADITE because they have known it for years.

They know it has been successfully tested and used for over 30 years on thousands of miles of c. i. bell and spigot water mains.

This gives them confidence in LEADITE as a jointing material.

The proven durability of LEADITE is important to them, as their pipe lines are laid under ground and are, in most cases, permanent installations.

LEADITE is a great asset to the water works field in pipe line construction, and this fact is recognized by the best water works talent in the country.

There is nothing to equal LEADITE in its many advantages.

LEADITE is used on all sizes of pipe from 4 in. to 60 in. in diameter; used under all pressures; takes the drudgery out of pipe laying; saves time, money and labor; expedites completion of the work; used by hundreds of water works all over the country.

LEADITE is a proven success, and the demand for LEADITE is the most convincing evidence of its established merit.

Give LEADITE a fair trial, and you will unquestionably become a LEADITE user.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.

1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
Sept. 3	Kentucky	Aug. 12
Sept. 7	Sioux Center, Ia.	Aug. 12
Sept. 7	Louisiana	Aug. 12
Sept. 29	Kentucky	Aug. 12
Sept. 29	Alabama	Aug. 12

Buildings—Commercial

Aug. 13	Atlantic City, N. J.	Aug. 12
Aug. 14	Madison, Wis.	Aug. 5
Aug. 15	Anderson, Ind.	July 29
Aug. 15	Chicago, Ill.	Aug. 12
Aug. 16	Omaha, Neb.	Aug. 12
Aug. 16	Phila., Pa.	Aug. 12
Aug. 16	Lincoln, Neb.	Aug. 12
Aug. 17	Boston, Mass.	Aug. 5
Aug. 17	Muskogee, Okla.	July 29
Aug. 17	St. Louis, Mo.	Aug. 5
Aug. 18	Brooklyn, N. Y.	Aug. 5
Aug. 18	Madison, Wis.	Aug. 12
Aug. 18	Astoria, Ore.	Aug. 12
Aug. 19	Shreveport, La.	July 29
Aug. 20	Duluth, Minn.	Aug. 12
Aug. 20	Moorestown, N. J.	Aug. 12
Aug. 24	St. Louis, Mo.	Aug. 12
Aug. 24	St. Charles, Ill.	Aug. 12
Aug. 25	Newark, N. J.	Aug. 5
Aug. 27	Mt. Ayr, Ia.	Aug. 12
Aug. 27	Eufaula, Okla.	Aug. 12
Sept. 1	Vancouver, B. C.	Apr. 22
Nov. 15	Duluth, Minn.	July 15

Buildings—Industrial

Aug. 14	Highland, Ill.	Aug. 5
Aug. 20	Altoona, Pa.	Aug. 12

Buildings—Educational, Religious

Aug. 13	Akron, O.	Aug. 5
Aug. 16	Belmont (Dayton P. O.), O.	Aug. 5
Aug. 16	Columbus, O.	Aug. 5
Aug. 16	Greeley, Colo.	July 29
Aug. 16	Topeka, Kan.	Aug. 12

Bids close		See Eng. News-Record
Aug. 17	Norman, Okla.	July 29
Aug. 18	Darien, Conn.	Aug. 5
Aug. 19	Wash., D. C. Adv. Aug. 12.	Aug. 12
Aug. 20	Gloucester, N. J.	Aug. 5
Aug. 24	Urbana, Ill.	Aug. 12
Aug. 24	Muscatine, Ia.	Aug. 12
Aug. 26	Deering, Mo.	Aug. 12
Aug. 27	Dallas, Tex.	Aug. 12

Federal Government Work

Aug. 16	Barracks—Ft. Benning, Ga.	July 22
Aug. 16	Revetment—Missouri	Aug. 12
Aug. 17	Extension—Buffalo, N. Y. Adv. July 22 to Aug. 12.	July 22
Aug. 17	Dredging—Chicago, Ill. Adv. July 22 to Aug. 12.	July 22
Aug. 18	Dam—Orlando, Calif.	July 15
Aug. 20	Dredging—Providence, R. I. Adv. July 22 to Aug. 12.	July 22
Aug. 23	Pipe Tunnels—Dayton, O. Adv. Aug. 12.	Aug. 12
Aug. 24	Remodeling—Petersburg, Va.	Aug. 5
Aug. 25	Apartment—Great Lakes (mail Waukegan), Ill.	Aug. 12
Aug. 25	Dredging—Edgemoor, Del. Adv. Aug. 12.	Aug. 12
Aug. 30	Canal—Portage, Wis. Adv. Aug. 5 and 12.	July 29
Aug. 31	Dam—Montana	July 29
Sept. 1	Turbine, etc.—Idaho	Aug. 5
Sept. 1	Walks—San Diego, Calif.	Aug. 12
Sept. 1	Dikes—St. Louis, Mo. Adv. Aug. 12.	Aug. 12
Sept. 3	Lockhouse—Milwaukee, Wis. Adv. Aug. 5 and 12.	Aug. 5
Sept. 15	Quarters—Canacao, P. I.	July 1
Oct. 1	Jetty—Sabine Pass, Tex. Adv. Aug. 12.	Aug. '12

Unclassified

Bids close		See Eng. News-Record
Aug. 13	Tracks, etc.—Long Island City, N. Y.	Aug. 5
Aug. 13	Lighting Systems, etc. — Elizabeth, N. J.	Aug. 5
Aug. 13	Playground—Dorchester (Boston P. O.), Mass.	Aug. 12
Aug. 16	Turbo-Generator—Moose Jaw, Sask.	June 24
Aug. 16	Pier Shed—New York, N. Y.	Aug. 12
Aug. 17	Fish Hatchery—Piqua, O.	Aug. 5
Aug. 17	Transit Station—Boston, Mass.	Aug. 5
Aug. 18	Railroad Crossing—Phila., Pa.	Aug. 12
Aug. 19	Sea Wall—Hull, Mass.	Aug. 12
Aug. 20	Generators, etc.—Highland, Ill.	Aug. 5
Aug. 20	Subway—Lyndon, Kan.	Aug. 5
Aug. 23	Fire Alarm System—Ft. Lauderdale, Fla.	Aug. 5
Aug. 25	Borings, etc.—Albany, N. Y. Adv. Aug. 12.	Aug. 12
Aug. 26	Boilers, etc.—Danville, Pa. Adv. Aug. 12.	Aug. 12
Sept. 9	Wharf—West Palm Beach, Fla.	Aug. 5
Sept. 30	Crane Gantries, etc.—Otahuhu, New Zealand	May 20
Nov. 1	Buildings, etc.—New Zealand	July 1

Materials

Aug. 13	Cedar Poles—Cleveland, O.	Aug. 12
Aug. 17	Gravel—Louisiana	Aug. 5
Aug. 20	Crossing Slips and Frogs—Phila., Pa.	Aug. 12

News of New Work

Waterworks

Proposed Work

Mass., Norwood—Bird & Sons, Inc., East Walpole making plans reservoir, here. $15,000 or more. Monks & Johnson, 99 Chauncey St., Boston, engrs.

Pa., Lock Haven—Made plans approximately 2,000 ft. mains; and constructing dam, etc. $40,000. R. S. Kift, Lock Haven, boro. engr.

N. C., Winston-Salem—See "Streets and Roads."

Miss., Natchez— Voted $40,000 bonds, waterworks improvements and extensions, incl. 2 new wells, electrical equipment, etc. Noted July 22.

Tenn., Gleason—Made preliminary plans new waterworks. $16,000. R. A. Nants, Gleason, engr.

Ky., Louisville—Louisville Water Co., 435 South 3rd St., making plans 20 x 40 ft. hull wood or steel electrically operated suction dredge. $20,000. H. B. Lovejoy, 1236 East 187th St., Cleveland, O., consult. engr. J. Chambers, c/o owner, ch. engr.

Michigan — Bd. Water Comrs., Detroit and Dearborn, making plans 44 in. main in Michigan Ave. to supply Dearborn, Ford Motor Co.'s plant and additional supply for new territory in Detroit. $405,000. Cost to be borne by Ford Motor Co., cities of Dearborn and Detroit. G. H. Fenkell, 176 East Jefferson Ave., Detroit, genl. mgr.

Mich., Grosse Pointe Farms (mail Grosse Pointe)—Made plans extending 2,826 ft. 12 in. c.i. mains, etc., in Moross Rd. $20,000. J. R. Kerby, village clk.

Ill., Danville—Interstate Water Co., H. Ely, mgr., making plans waterworks improvements, incl. brick, rein.-con. and steel boiler and water plant, etc. Mead & Seastone, Journal Bldg., Madison, Wis., engrs.

Ia., Nevada—Election Aug. 15, $50,000 bonds, waterworks improvements. R. A. Davis, city clk.

Ia., Newton—Voted $90,000 bonds, waterworks improvements, incl. 6 mi. 12 in. mains, pumping station, new source of supply, etc. L. Higgins, 420 Securities Bldg., Des Moines, engr.

Mo., Neosho—Election Aug. 31, $30,000 bonds, waterworks and distribution system.

Tex., Amarillo—Making plans and takes bids in August 5 m.g. rectangular rein.-con. storage reservoir, 500,000 gal. steel tank and tower, 150 ft. high. W. Kiestred, Interstate Bldg., Kasas City, Mo., engr.

Tex., Hale Center—Making plans complete new waterworks, $45,000. Devlin Eng. Co., Amarillo, engrs.

Tex., Marlin—Making preliminary plans waterworks extensions. $40,000. Address L. Goodrich, supt. Waterworks.

Tex., Mercedes—Valley Electric & Ice Co. making plans improving filter plant and new sedimentation basin, etc. $15,000. Private plants.

Tex., Muleshoe—Making plans new water supply, incl. 50,000 gal. tank on 100 ft. tower, $40,000. Montgomery & Ward, 545 Harvey-Snider Bldg., Wichita Falls, engrs.

Tex., Waco—Election Sept. 14, $3,500,000 bonds, waterworks improvements, incl. rein.-con. and earth dam across Bosque River, to form Lake Bosque as city water supply, etc. Address V. G. Koch, city engr. Noted Mar. 18.

Oklahoma—City of Turley plans 6 in. c.i. mains from Turley to Tulsa. $35,000. Hughes Eng. Co., 205 Cole Bldg., Tulsa, engrs.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Okla., Blackwell—Plans election $198,000 bonds, waterworks. D. Randall, city clk.

Okla., Hominy — Voted $24,000 bonds, new concrete reservoir. R. Flood, Drumwright, engr.

Okla., Luther — Making preliminary plans new waterworks. $35,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Seminole—Election Aug. 20, $25,000 bonds, main extensions, new well and pumping equipment. C. E. Waite, Wewoka, engr. Noted July 15.

Okla., Webb City—Voted $55,000 bonds, new waterworks. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Wash., Sunnyside—Making plans 6 mi. 8- to 15-in. c.i. mains in various streets. $60,000. Stevens & Koon, Spalding Bldg., Portland, Ore., engrs.

Ore., Eugene—Plans extending waterworks and sewerage systems. $200,000.

Calif., Palo Alto—Making plans 2½ m.g. reservoir near College Terrace. $35,000. J. F. Bxybee, Jr., city engr.

Calif., Santa Barbara—Making plans 12- to 16-in. steel pipe line between surge chamber and Sheffield Reservoir. $26,500. V. E. Trace, city water supt. Noted July 22.

Bids Desired

Mass., Cambridge (Boston P. O.)—Sept. 1, by Water Bd., J. J. Scully, pres., waterproofing Payson Park Reservoir, in Belmont. L. M. Hastings, city engr.; adv. E. N.-R. Aug. 12.

N. Y., Kingston—Aug. 23, by Bd. Water Comrs., City Hall, approximately 3,500 ft. 20 and 24 in. c.i. pipe and constructing Binnewater Reservoir, etc., Contr. C. Sanborn & Bogert, 30 Church St., New York City, consult. engrs.; adv. E. N.-R. Aug. 12.

N. J., Newark—Sept. 9, by North Jersey Dist. Water Supply Comn., 24 Commerce St., clearing and grubbing at Wanaque Reservoir. A. H. Pratt, ch. engr. M. R. Sherrerd, consult. engr.; adv. E. N.-R. Aug. 12.

O., Fremont—Sept. 2, at office H. Johnston, dir. Pub. Serv., constructing low service pumping station, water purification plant with high service pumping station, etc. W. G. Clark, 1046 Spitzer Bldg., Toledo, consult. engr.; adv. E. N.-R. Aug. 12.

Mich., Detroit—Aug. 18, by Bd. Water Comrs., 176 East Jefferson Ave., 54,391 lin. ft. 6- to 12-in. mains in various streets, for Dept. Water Supply. G. H. Fenkell, 176 East Jefferson Ave., gen. mgr.

Mich., Detroit — Sept. 8, by Bd. Water Comrs., 176 East Jefferson Ave., Filtered Water Reservoir 2. G. H. Fenkell, genl. mgr.; adv. E. N.-R. Aug. 12.

Ill., Tessville—Aug. 19, by Village, extending 2,900 ft. 8 in. and 10,000 ft. 6 in. c.i. mains, etc., in various streets. $36,000. Baker, Flavin & Wallace, 160 North La Salle St., Chicago, engrs.

Wis., Gillett—Aug. 19, by P. Nygaard, city clk., 100,000 gal. elevated tank on rein.-con. foundation; also gravel well with pump and motor producing 500 g.p.m. McMahon & Clark, Menasha, engr.

Minn., Ely—Aug. 17, by City, extending mains, etc., in various streets. $15,000. W. J. Rashleigh, Ely, engr.

Okla., Oklahoma City— Aug. 17, by M. Peshek, Jr., city clk., 900 tons 6 in. c.i. pipe.

Constr. News page 102

When the Call Comes to "Speed Up the Job"

Here is a way to get *Strong* Concrete in *3 Days*

How to speed up construction when the "rush" call comes, is a problem that every architect, engineer and contractor often faces.

In concrete work there is a solution.

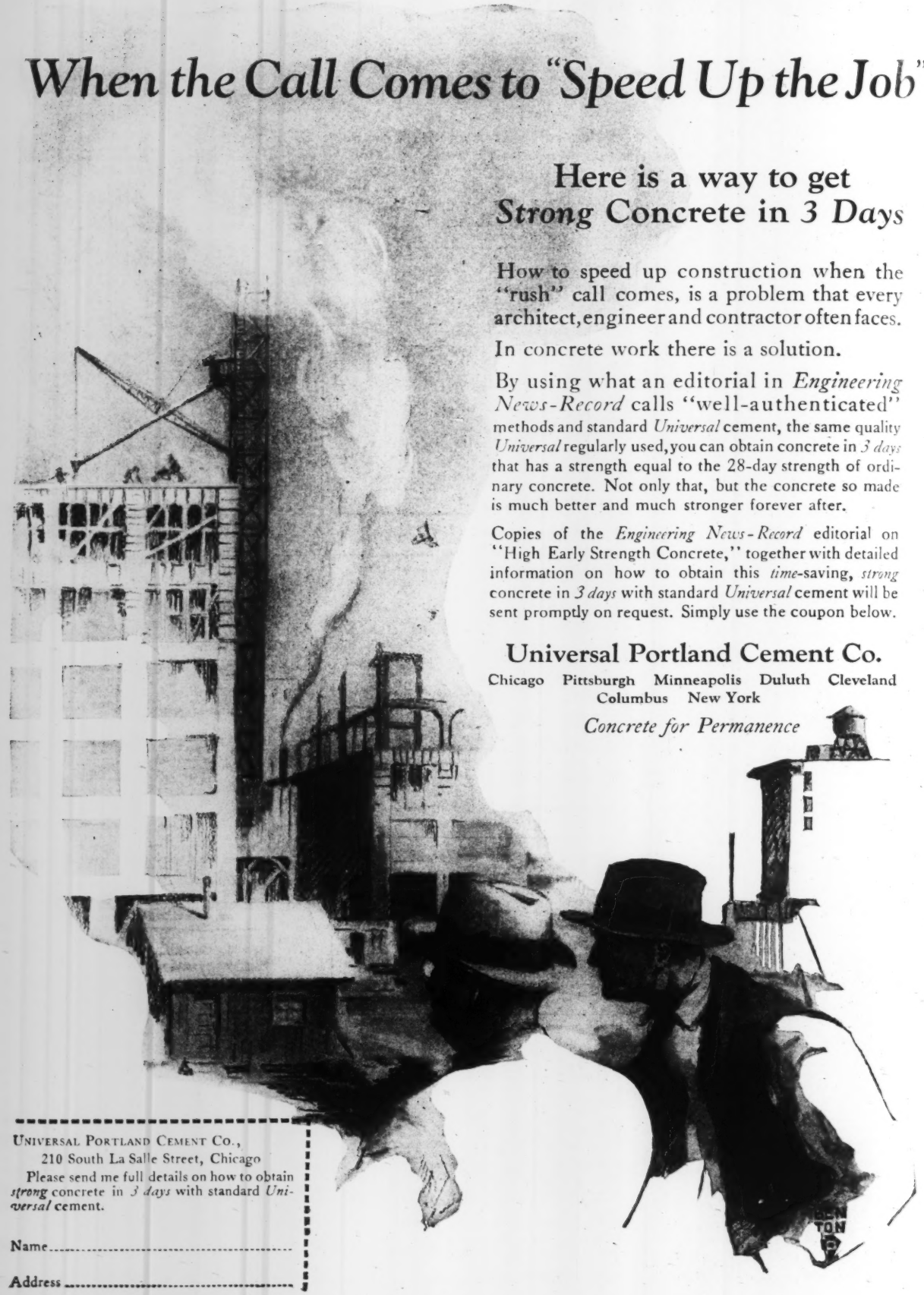
By using what an editorial in *Engineering News-Record* calls "well-authenticated" methods and standard *Universal* cement, the same quality *Universal* regularly used, you can obtain concrete in *3 days* that has a strength equal to the 28-day strength of ordinary concrete. Not only that, but the concrete so made is much better and much stronger forever after.

Copies of the *Engineering News-Record* editorial on "High Early Strength Concrete," together with detailed information on how to obtain this *time*-saving, *strong* concrete in *3 days* with standard *Universal* cement will be sent promptly on request. Simply use the coupon below.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence



UNIVERSAL PORTLAND CEMENT CO.,
210 South La Salle Street, Chicago

Please send me full details on how to obtain *strong* concrete in *3 days* with standard *Universal* cement.

Name .....

Address .....

Waterworks (Continued)

$100,000. C. E. Bretz, City Hall, engr. Noted Jan. 14.

Okla., Oklahoma City—City Water Dept., J. D. Patterson, comr., in market 20,000 ft. ¾ in. copper pipe.

Bids Received

Mass., Boston—City, Supply Dept., 500 oval meter box covers and 40 oval meter boxes (iron), for Water Serv., from E. L. LeBaron Fdry. Co., Brockton, $0.0425.

Md., Towson — Comrs. Baltimore Co., Sur. 2, 25,670 ft. 6- to 20-in. mains in Liberty Heights Ave., Belair and Philadelphia Rds. Proposal 11-W, also grading, tunneling and concrete repaving 430 ft. roadway, Proposal 10-W, from Ligon & Ligon, 200 East Lexington St., Baltimore, $32,221. Noted July 15.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, July 27, 4 forced draft chain grate stokers for boiler house at Howards Bend Waterworks Plant, from Illinois Stoker Co., Alton, Ill., $27,300 engrs. est. $35,000; and standard gage railroad from 11th and Poplar Sts. to Municipal Serv. Building, from D. C. Bowman, 51 Breman St., $17,000 engrs. est. $23,000. Noted July 7.

Tex., Amarillo—Drilling wells for water supply, from Sullivan Air Lift Co.; El Paso. Engrs. est. probably $25,000.

Calif., Redlands—For 5 m.g. filter plant, filtering water for domestic use, from California Filter Co., Mer. Exch. Bldg., San Francisco, $30,746. Noted Apr. 29.

Contracts Awarded

Conn., Willimantic—Pipe line for waterworks, to A. W. Bryne, 79 Linnmoore St., Hartford, $60,000. Noted June 24.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Bath, Crosby, Livonia Aves., etc., to N. DeStefano, 257 Glenn Ave., Tompkinsville, $10,999. Noted July 22.

N. Y., New York—State Hospital Comn., Albany, 14 in. water main from 1st Ave. at 111th St. to and under Harlem River to Pumphouse of Manhattan State Hospital on Wards Island, to Merritt-Chapman & Scott, 17 Battery Pl. Engrs. est. $134,000. Noted May 6.

N. Y., Otisville—L. I. Harris, pres. Bd. Health, 505 Pearl St., New York City, intake screen, chamber, sedimentation basin, etc., to L. C. Smith, 605 Times Bldg., New York City, $58,490. Noted July 29.

N. Y., Troy—Bd. Contr. & Supply, City Hall, G. Richmond, secy., repairing Tomhannock Spillway, to B. M. Stark, Lake Ave., Sycaway, Troy, $126,728. Noted June 24.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, Contr. 822, to R. J. Crozier, 10 South 18th St. $4,638; Contr. 823, to Hurley Fdry. Inc., 106 Tasker Ave., $1,870; Contr. 829, to Herman-Mayer Co., 103 Walnut St., $25,152; Contr. 830, to Keystone State Piping & Equipment Co., 2849 Germantown Ave., $28,125; Contr. 833, to P. and A. J. Ellis, 4th and Wyoming St., $113,345; Contr. 835, to Dravo-Doyle Co., Schaff Bldg., $43,048; and Contr. 837, to Acme Machine Co., 316 North 17th St., $23,587. Grand total $239,765. Noted July 29.

N. C., Liberty—Mayor and Bd. Aldermen, water and sewerage systems, to P. N. Howard, Inc., Greensboro. Noted July 22.

O., Cincinnati—Hamilton Co., 82,349 ft. 6- to 8-in. c.i. mains in Water Supply Line 28, Dist. 7, to W. Hennigan, Ringgold Ave., $157,816. Engrs. est. $176,513. Noted July 29.

O., Cleveland—Cuyahoga Co., 6,000 ft. 6- to 16-in. c.i. mains in Lorain Rd. and West 231st St., Impvt. 756, to W. B. Smith, 1350 West 89th St., $37,158. Noted Aug. 5.

O., Idlewood (Cleveland P. O.)—Village, 6,570 ft. 4- to 16-in. c.i. mains in Warrensville Center Rd., to George & Ameen, Erie Bldg., Cleveland, $24,880. Engrs. est. $47,512.

O., Wellston—T. Waters, dir. Pub. Serv., pumping station and mains, etc., in various streets, to E. D. Blanchard, Wellston, $34,000. Noted July 1.

Ill., Troy—Waterworks and distribution system, incl. tank on tower, pumping equipment, distribution mains, etc., to J. M. Monie, Chemical Bldg., St. Louis, Mo., $90,000.

Neb., Elk Creek—G. Eversole, city clk., waterworks, to Asplund Constr. Co., Tecumseh, approximately $15,000. Noted July 1.

Mo., Smithville — J. Kindred, city clk., waterworks, to L. A. Woods Constr. Co., Smithville, approximately $15,000; steel tank and tower, to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., $5,454; and c.i. mains, to Amer. Cast Iron Pipe Co., Scaritt Bldg., Kansas City, $12,332. Noted July 22.

Ark., Atkins—General contract waterworks and sewerage system, to McEachin & McEachin, Southern Trust Bldg., Little Rock, $82,976. 140,000 gal. reservoir or 100,000 gal. tank on tower, to Chicago Bridge & Iron Wks., 105th and Throop Sts., Chicago, Ill., $9,150, well and pump, to Layne-Arkansas Co., Stuttgart, $5,062; 50 hp. oil engine and power plant, to Fairbanks-Morse Co., Stuttgart, $6,854. Grand total $104,042. Noted July 15.

Calif., Sacramento—Cast iron pipe for extending waterworks, to U. S. C. I. Pipe Co., Monadnock Bldg., San Francisco, $15,606.

Ont., Belle River—Village, elevated steel tank in connection with $40,000 waterworks extension, to Horton Steel Co., Bridgeburg. Engrs. est. $7,500.

Sewers

Proposed Work

N. C., Winston-Salem—See "Streets and Roads."

Miss., Meridian—Election soon $125,000 bonds, sewers in various streets.

O., Akron—W. F. Peters, dir. Pub. Serv., rejected bids July 15, 3,635 ft. 8- to 24-in. vitr. clay sewer in Crosier St. $26,500, 2,625 ft. Kipling St. $16,000, 2,635 ft. Corice St. $14,800; and 3,265 ft. 8- to 20-in. in McKinley Ave., $17,000. Will readvertise. Noted July 22.

Ill., Crete—Soon takes bids sewers in various streets. $130,000.

Ill., Ramsey—City postponed indefinitely sanitary sewers, etc. in various streets. $25,000. H. M. Baumbarger, Greenville, engr.

Minn., St. Paul—Election Aug. 24, $1,500,000 bonds, Kittsondale Sewerage System, in Midway Dist. G. M. Shepard, city engr. Noted Aug. 5.

Mo., Mount Vernon—Election soon $55,000 bonds, complete sanitary sewerage system. E. W. Gantt Eng. Co., 1116 West Main St., Oklahoma City, Okla., engrs.

Ark., Little Rock—Soon takes bids on revised plans storm sewers replacing Old Town Branch and auxiliary sanitary sewers in Dist. 104. $600,500. Ford & MacCrea, 215 Gazette Bldg., engrs. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs. Noted June 10.

Tex., Albany—Making plans 6 and 8 in. sewers in various streets and sewage disposal plant. $25,000. F. J. Von Zuben, 611 Dan Waggoner Bldg., Ft. Worth, engr.

Tex., Bastrop—Plans complete sewerage system. $60,000. Address Mayor.

Tex., Mexia—Voted $25,000 bonds, storm sewer additions. Address S. Smith, mayor.

Tex., Mission—Making preliminary surveys for $125,000 bond issue, storm sewerage system. Ewig & Congdon, city engr.

Tex., Palestine — Palestine Sewer Co. making preliminary plans extending sewerage system and probably disposal plant. $30,000. Private plans.

Tex., Richmond—Election Sept. 1, $50,000 bonds, complete sewerage system. Sanitary Eng. Co., Houston, engrs.

Tex., San Benito — Making preliminary plans storm sewerage system. $25,000 bond election soon. B. Gentry, city engr.

Okla., Arcadia — Making preliminary plans 3 mi. sewers in various streets, etc. $25,000. J. S. Baker, mayor. Engineer not selected.

Okla., Bartlesville — Plans sewers and paving various streets. F. E. McCormick, Bartlesville, engr.

Okla., Blackwell—Election soon $112,000 bonds, sewer extensions. D. Randall, city clk.

Okla., Minco—Voted $32,000 bonds, 20,300 ft. 6- to 10-in. sewers, etc., in all streets. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Ponca City—Plans sanitary sewerage system. $25,000. J. H. Asher, mayor. Engineer not selected.

Okla., Tecumseh — Making preliminary plans 19,700 ft. 8- to 15-in. vitr. clay sewers, etc., in all streets. $63,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Ore., Eugene—See "Waterworks."

Calif., Los Angeles—Made plans 24- to 48-in. rein.-con. storm drain, 18- to 21-in. cement laterals, 12- to 15-in. cement sewer, etc., in portion Fairfax Ave., etc. To exceed $25,000. J. C. Shaw, City Hall, engr.

Calif., Los Angeles—Los Angeles Sanitation Dist. 1, made plans 9,523 ft. 36 in. rein.-con. sewer, etc., in Bulls Rd. between Greenleaf Dr. and Emirlian St.; also in Holmes-Willowbrook Trunk Sewer between Temple St. and south city boundary, 5,505 ft. 30 and 36 in. rein.-con. pipe, etc.

Calif., Santa Cruz—Made plans 28,947 lin.ft. 10- to 51-in. concrete storm drains, etc., in Laveaga, Branciforte, East Santa Cruz Sts., etc. J. K. James, city engr. Noted Apr. 15.

Ont., Kitchener—Plans rein.-con. sewage disposal plant, near Doon. $375,000. S. Shupe, City Hall, engr.

Ont., Toronto—Plans 8 in., etc., vitr. tile sewers in York St., Poplar Plains Crescent, 4 avenues and 6 streets, also temporary drainage siphon, Rosedale Ravine. $35,000. R. C. Harris, City Hall, engr.

Ont., Toronto—York Twp. plans 7,030 ft. 8 in. vitr. tile lateral sewers in Runnymede Rd., and 8 avenues. $31,435. F. B. Goedike, 40 Jarves St., engr.

Ont., Toronto—York Twp., plans 7,600 lin. ft. vitr. tile sewers in Dufferin St., Dunraven Dr., Rockliffe Blvd., and 11 Aves. $76,595. F. B. Goedike, 40 Jarvis St., engr.

Ont., Windsor—Making plans constructing 10 in. sewer in Pierre Ave. $30,000. M. E. Brian, City Hall, engr.

Bids Desired

Mass., Boston—Aug. 18, by Dept. Pub. Wks., sewerage works in Ormand St., Dorchester; Aug. 25, in Walworth St., West Roxbury. $25,000. J. H. Sullivan, comr.

Mass., Brighton (Boston P. O.)—Aug. 23, by Dept. Pub. Wks., Boston, sewerage works in various streets, here. $25,000. J. H. Sullivan, comr.

N. Y., Brooklyn—Sept. 8, by State Hospital Comn., Albany, sanitary work and sewage connection to city sewerage system, at Brooklyn State Hospital, here; adv. E. N.-R. Aug. 12.

N. Y., Marcy—Sept. 8, by State Hospital Comn., Albany, sanitary work and extending storm sewers, at Marcy Div. Utica State Hospital, here; adv. E. N.-R. Aug. 12.

N. Y., New York—Aug. 17, by H. Bruckner, pres. Bronx Boro, sewers in Bronx and Pelham Parkway, Eastchester Rd., East 174th and East 173rd Sts., Stillwell, Harrod, Morrison, Stratford, Manor and Bronx River Aves.

N. J., Butler — Aug. 18, by Boro Council, sanitary sewer in northerly side Kiel Ave. from Maple Court to Oak St., and in southerly side Kiel Ave. from end of present sewer to Spring St. C. Potts, 30 Church St., New York City, consult. engr.

Pa., Jenkintown—Aug. 30, at Boro. Hall, 34,500 ft. 8- to 12-in. sanitary and 3,600 ft. 12- to 33-in. storm sewers in various streets. A. C. J. Schabacker, secy.; adv. E. N.-R. Aug. 12.

Pa., Nanty Glo—Aug. 20, by Boro Council, J. M. Carlisle, secy., 1,530 ft. 10 in. rein.-con. sewers in various streets. H. H. Hauth, Barker Bldg., boro. engr.

Miss., McComb—Aug. 17, by City, sewage disposal plant, incl. Imhoff tank, sprinkling filter, pump plt, and machinery. $45,000. H. A. Mentz, Citizens Natl. Bank Bldg., Hammond, La., engr.

O., South Euclid—Aug. 16, by Village, sewer and water mains in Belvor Blvd. To exceed $25,000. F. A. Pease, Eng. Co., Marshall Bldg., Cleveland, engrs. Noted July 22.

Minn., Ely—Aug. 17, by City, sanitary sewerage system and disposal plant. $75,000. W. J. Rashleigh, Ely, engr.

Neb., Holdrege—Aug. 17, by City, improving rock (sprinkling) filter, incl. 600 cu.yd. excav., 10,500 lb. c.i. pipe, 1,690 cu.yd. crushed stone, 2,865 ft. 8 in. split pipe underdrain, etc. $28,617. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Mo., Excelsior Springs—Aug. 24, by City Clerk, enlarging sewage disposal plant. $40,000. Haskins & Crawford, 822 Finance Bldg., Kansas City, engrs. Noted July 8.

Mo., St. Louis—See "Bridges."

Mo., Versailles—Aug. 14, by W. Well, mayor, sanitary sewers in Dists. 3 and 4. To exceed $25,000. Benham Eng. Co., 510 Gumbel Bldg., Kansas City, engr. Noted Aug. 5.

Calif., Davis—Aug. 19, by Bd. Regents University of California, 10,000 ft. vitr. or

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INDEPENDENT
Reinforced Concrete Pipe
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Sales Agencies in All Principal Cities

Sewers (Continued)

concrete sewers, and disposal plant for College of Agriculture, at University Farm. $30,000 or more.

Bids Received

Md., Towson—Comrs. Baltimore Co., 47,491 ft. 8- to 12-in. sewers and 18,000 lin. ft. house connections in Catonsville, Parkville and Pikesville, from Chesapeake Constr. Co., 216 St. Paul St., Baltimore, $169,897. Noted July 15.

Mich., Detroit—Dept. Pub. Wks., July 26, Seven Mile Rd. Sewer, from J. Rossi, 4148 Seneca Ave., $78,251; Detroit River Intercepter, Sect. 2, in Jefferson Ave., from Nash Bros., 45 West Montcalm Ave., $222,208; Wavenely Ave. Arm West, Cadieux Rd. Sewer, and Greiner Ave. Arm E., Connors Creek Sewer, from Detroit Drainage Constr. Co., Meyers Rd., $12,425 and $62,692 respectively; Plymouth Ave. Arm E., Hubbell Ave. Sewer, and State Fair Ave. Sect. 2 West, Connors Creek Sewer, from Dept. Pub. Wks. $125,040 and $77,330 respectively. Noted July 22.

Mich., Detroit—Dept. Pub. Wks., Miller Rd. Sewer, Sect. 4, and Mill Rd. Sect. 5, from J. A. Mercier Co., 616 Hammond Bldg., $352,500 and $356,444 respectively; Breeze Ave. Arm, Ashland Ave., from W. Blanck Co., Inc., 40 East Seven Mile Rd., $60,407; Pembroke Ave. Arm West, Sect. 2, and Liddlesdale Ave. Sect. 2, from Dept. Pub. Wks. $59,292 and $264,973 respectively. Noted July 15.

Calif., Arroya Grande — City Trustees, July 28, 4- to 8-in. vitr. sewers, etc., in various streets, from Frederickson & Watson, 354 Hobart St., Oakland, $28,180. Noted July 22.

Calif., Oakland — From R. B. McNair, 3819 Rhoda Ave., sewer in Millsmont Tract and portions Chimes Terrace, 22,088 ft. 8 in. vitr. pipe without concrete jacket at $4.10 per ft., and 4,665 ft. 10 in. $4.75, also 30 ft. 8 in. with concrete jacket $4.10, and 30 ft. 10 in. $4.75, etc. Noted Aug. 5.

Contracts Awarded

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, sewers in East 42nd St. and 11th Ave., to R. Nazarro, Inc., 7101 11th Ave., $3,813 and $1,583; in Eldert Lane, to R. Iovino, 678 Glenmore Ave., $473. Grand total $5,824. Noted Aug. 5.

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, to Peconi Contg. Co., 606 Rugby Rd., sewers in Nostrand Ave. $1,741, same avenue $1,360, Bedford Ave. $720, West 9th St. $267, and East 28th St. $267; to Tomassetti & Co., Inc., 1074 60th St., in 71st St., $3,823, and to R. Iovino, 678 Glenmore Ave., Atlantic Ave. $374. Grand total $8,552. Noted July 22.

N. Y., New York — J. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Barkley Ave. and Drainage St., to D. Tambone, 566 East 187th St., $3,642 and $8,511 respectively; and in Hill Ave., to A. Caserta, 2431 Barnes Ave., $8,540. Grand total $20,693. Noted Aug. 5.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sanitary sewer in Coddington Ave., to Hammen Constr. Co., 279 Madison Ave., Perth Amboy, N. J., $5,946.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, main sewer in Fairmont Park, to J. J. McHugh, 1617 Race St., $12,457; intercepting sewer along Tacony Creek and Winghocking Sewer in Winghocking St., to J. and R. Lombardi, Lincoln Bldg., $45,576 and $22,000 respectively; also grading, paving and appurtenant work for South Phila. track elevation, Contr. 211, to J. Meehan & Son, 916 West Dakota St., $18,396. Grand total $98,429. Noted Aug. 5.

N. C., Liberty—See "Waterworks."

O., Akron—W. F. Peters, dir. Pub. Serv., 2,450 ft. 12- to 48-in. vitr. clay trunk sewer in Campbell St., et. al, to Sullo & Deluca Constr. Co., 140 North Summit St., $22,581, engrs. est. $27,900; also 3,090 ft. 8- to 30-in. vitr. clay sewer and laterals in LaFollette St. et al, to L. Crano, J. Weeks et al, 605 Peoples Savings & Trust Bldg., $14,256, engrs. est. $24,600. Noted July 22.

O., Cleveland—Cuyahoga Co., 1,000 ft. 8- to 48-in. sewer in Parkway Heights Blvd., to Gantose Constr. Co., 4816 Brookpark Rd., $250,000. Noted Aug. 5.

O., Hamilton—G. C. Mitchell, serv. dir., sanitary sewer in Ross Ave. from Miami River to Belt line, to W. M. Davis, Main and D Sts., $55,803. Noted Mar. 4.

Mich., Spring Lake — Village Council, approximately 30,000 ft. 8- to 21-in. vitr. sewers in various streets, to Roise Hultgren Co., 504 West Lake St., Minneapolis, Minn., $69,099. Noted July 22.

Wis., Brodhead—City, c/o J. Gardner, clk., sewerage system, to G. W. Mulholland, 2025 Rockford St., Rockford, Ill., $36,832. Engrs. est. $35,000. Noted July 22.

Wis., Madison — W. R. Winckler, city clk., twin grit chamber and grease extractor, 6 Imhoff tanks, 2 twin dosing tanks, etc., to G. Nelson, 1117 West Johnson St., $164,100. Engrs. est. $160,000. Noted July 22.

Minn., St. Paul—A. E. Eggert, city purch. agt., constructing Edgecumbe Rd. Sewer, to O'Neil & Preston, 608 Exch. Bank Bldg., $51,572. Noted Aug. 5.

Minn., West Concord—F. M. Campbell, village recdr., 16,022 ft. 8- to 12-in. sanitary and 1,824 ft. storm sewers, etc., in various streets, to Peterson & Hemmingsen, Tracy, $22,300. Notd July 22.

Mo., Smithville—J. E. Kindred, city clk., sanitary sewerage system, to L. A. Woods Constr. Co., Smithville, approximately $26,900. Engrs. est. $30,000. Noted July 22.

Ark., Little Rock—Comrs. Sewer Dist. 101, 22,100 ft. 10- to 27-in. intercepting and trunk sewers, to McEachin & McEachin, Southern Trust Bldg. Engrs. est. $108,000. Noted July 29.

Okla., Wetumka — Disposal plant, and 3,500 ft. outfall sewers, etc., in various streets, to Park & Moran, 210 South Seminole St., Okmulgee, $28,731. Noted July 22.

Calif., Alhambra—Vitr. sewers in Sewer Dist. 7, to L. C. Campbell, 1419 South Curtis St., $194,826. Noted July 15.

Calif., El Segundo—For 8- to 10-in. sewers in lateral Sewer Dist. 2, to Chutuk & Vukojevich, 1506 Pleasant St., $152,668. Noted Aug. 5.

Calif., San Diego — Common Council, sanitary sewer in East 32nd St. and south of Q St., to H. H. Peterson, Spreckels Bldg., $140,700. Noted Aug. 5.

Ont., Toronto—York Twp., 8- to 12-in. vitr. tile sewers in Jane and Dundas Sts., Avon, Lorraine, Northlands and Priscilla Aves., to Carson Constr. Co., Dominion Bank Bldg., $34,339; Jane St., Nickel and Cobalt Aves., to Riverdale Constr. Co., 15 Langley Ave., $10,991. Noted May 20.

Waste Disposal

Proposed Work

Tex., San Antonio — Made plans brick, steel and concrete incinerator plant. $45,000. I. W. Ewig, city engr.

O., Ironton—Making plans garbage disposal plant, 24 tons daily capacity. $24,000.

Bridges

Proposed Work

Mass., Andover—Boston & Maine R.R. Co., North Sta., Boston, plans bridge Haverhill St., here. To exceed $25,000. F. C. Shepherd, c/o owner, ch. constr. engr.

Tenn., Nashville — Davidson Co. voted $1,000,000 bonds, bridge over Cumberland River near Old Hickory. Noted Feb. 25.

Ill., Chicago—Takes bids about Oct. 6, substructure 200 ft. trunnion bascule bridge, 62 ft. with 28 ft. roadway over Calumet River, at 106th St. $1,500,000. T. G. Philfeldt, Room 406, City Hall, engr.

Wis., North Milwaukee—W. E. Chase, city clk., soon takes bids 2 rein.-con. girder type bridges, Adams and Commerce Aves. $32,000. H. C. Webster, 216 West Water St., Malwaukee, engr.

Ia., Logan—Harrison Co. rejected bids July 6, 80 x 16 ft. pony truss bridge with 30 ft. I-beam approaches, 90 x 16 ft. pony truss bridge with two 25 ft. I-beam approaches, and 65 x 16 ft. deck girder bridge with two 40 ft. approaches. Will readvertise. T. E. Cherry, Logan, engr. Noted July 1.

Mo., Louisiana—Missouri-Illinois Bridge Co., c/o Buffum Lumber Co., soon takes bids concrete and steel vehicular traffic bridge over Mississippi River connecting Illinois and Missouri State Highway System, here. $1,000,000. Howard & Ash, 1012 Baltimore St., Kansas City, engrs. Noted June 24.

Tex., Anderson—See "Streets and Roads."

Tex., Caldwell—Burleson Co., c/o A. McCormack, div. highway engr., soon takes bids concrete and timber pile bridge and grading Highway 102. $54,000.

Tex., Cold Springs—see "Streets and Roads."

Tex., Leakey—See "Streets and Roads."

Tex., San Antonio — See "Streets and Roads."

Calif., San Gabriel—Plans 30 ft. arch bridge, 40 ft., on Longdon Ave.

Calif., San Rafael—Marin Co. made plans rein.-con. bridge over Papermill Creek at Tacaloma, fifty 20 ft. piles, etc. J. C. Oglesby, San Rafael, co. surv.

Bids Desired

N. Y., Scarsdale—Sept. 1, at Village Hall, Post and Popham Rds., 2 stone faced rein.-con. bridges with approaches, etc. to carry Greenacres Ave. over Bronx River Parkway Dr. and Bronx River, near Hartsdale Station of New York Central R.R., Harlem Div., here. J. R. Ross, village clk.; adv. E. N.-R. Aug. 12.

New Jersey—See "Streets and Roads."

N. J., Freehold—Aug. 18, by Bd. Freeholders Monmouth Co., Court House, reconstructing Bridge W-1, Allaire. C. E. Cole, clk.; adv. E. N.-R. Aug. 12.

Pennsylvania—Aug. 17, by Comrs. Westmoreland Co. (Greensburg) and Fayette Co. (Uniontown), at Court House, Greensburg, two 50 ft. span rein.-con. encased beam type bridge over Jacobs Creek, at Keisters Mills. W. A. Arter, controller former and E. Houston, controller latter counties.

Pa., Phila.—Aug. 16, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., steel superstructure complete, Plan 23234 Sheet 3 of 3, Pennsylvania R.R. Spec. for steel bridges, Contr. 24-1926. A. C. Shand, Broad St. Sta., ch. engr. railroad.

North Carolina—Aug. 24, by State Hy. Dept., Raleigh, rein.-con. bridges, etc. in 4 counties. $141,080. L. R. Ames, engr.

Fla., Jacksonville—Sept. 1, by Bd. Comrs. Duval Co., F. Brown, clk., 133 ft. concrete bridge over Ribault River on Monerief Rd., Road 9. T. B. Carrick, 305 Court House, co. bridge engr.; adv. E. N.-R. Aug. 12.

Alabama—Aug. 18, by State Hy. Comn., Montgomery, 1,700 ft. creosoted timber bridges on Greenville-Luverne Rd., Butler and Crenshaw Counties, also two 58 ft. and one 72½ ft. span I-beam bridges on Guin-Hamilton Rd., Marion Co.; widening 2 bridges, removing 2 bridges, constructing 741 ft. creosoted timber trestle, 132½ ft. concrete and 275 ft. concrete I-beam bridges on Selma-Orville Rd., Dallas Co. W. A. McCalla, highway engr.

Illinois—Aug. 18, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, five 20 ft. span I-beam trestle bridge on Route 1, Sect. 38-F, Johnson Co., one 60 ft. span concrete deck girder bridge on Route 3, Sect. 17-B; one 55 ft. and two 35 ft. span concrete deck girder bridges on Route 13, Sect. 19-B, all Perry Co.; one 20 ft. concrete slab bridge and three 30 ft. span concrete deck girder bridges on Route 13, Sect. 20-B, Randolph Co.; three 55 ft. span concrete deck girder bridges on Route 36, Sect. 19-B, Pike Co. F. T. Seets, highway engr.

Wisconsin—Aug. 18, by State Hy. Comn. at Village Hall, Muscoda, Muscoda Bridge over Wisconsin River connecting Muscoda, Grant Co., and Eagle Town, Richland Co., incl. 2,371.5 cu.yd. concrete, 44,850 lb. cast and 91,570 lb. reinforcing steel, etc. J. T. Donaghey, Madison, highway engr.

Ia., Clinton—Aug. 17, at office Auditor Clinton Co., one I-beam one deck girder, one slab, one 50 x 20, one 60 x 20 and one 70 x 20 pony truss bridges, also 56 culverts and extensions. E. B. Lorenzen, Clinton, co. engr.

Kan., Richfield—Aug. 17 (extended date), forty-nine 21 ft. span bridge, on Federal Aid Project 358-A1. E. C. Dean, Richfield, engr. Noted Aug. 5.

Mo., St. Louis—Aug. 31, by Bd. Pub. Serv., 208 City Hall, 3 rein.-con. viaducts to carry Sulphur, Sublette and Macklind Aves. over River Des Peres; also Filmore St. Sewer 8? 400 ft. 12 in. vitr. clay pipe, $1,250; and grading, granitoid surfacing, etc. 13 sidewalk projects, $12,641. Total $41,100. L. R. Bowen, 301 City Hall, engr. Noted July 15.

Calif., Oakland—E. K. Sturgis, city clk., taking bids concrete bridge across Lake Merritt Channel, $80,000. W. W. Harmon, city engr.

Bids Received

Connecticut — State Hy. Dept., Hartford, Thomaston Bridge, two 100 ft. spans and one 172 ft. arch span with concrete girder and approach spans, from C. A. Haggerty, Webster, Mass., $138,737.

New York—See "Streets and Roads."

New Jersey—State Hy. Dept., Trenton, 2 bridges on Route 20, Sect. 6, between Franklinville and Malaga, Gloucester Co., from F. W. Schwiers, 90 West St., New York City, N. Y., $29,351. Noted July 22.

Virginia—See "Streets and Roads."

O., Girard—Comrs. Trumbull Co. (Warren), July 27, 2,000 ft. span bridge over

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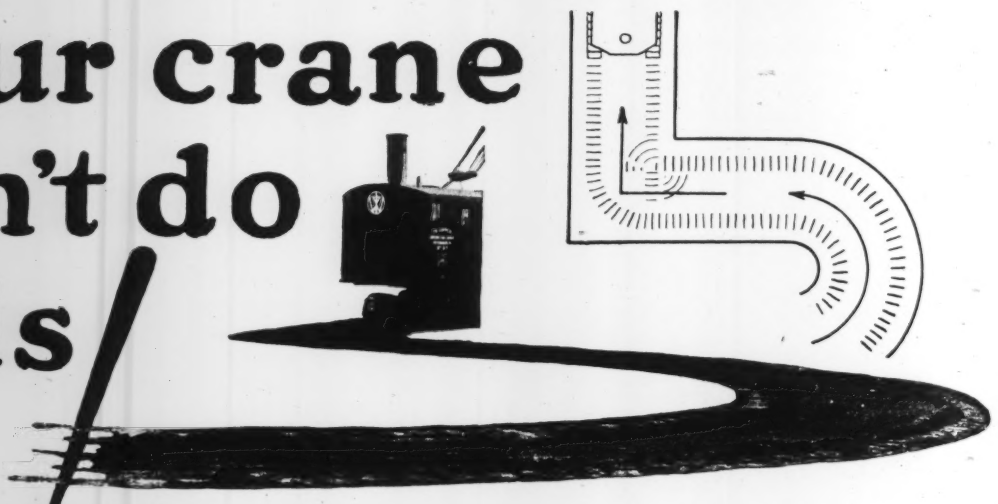
Your crane can't do this



—*unless it's an* INDUSTRIAL

How Others Do It

1. *Two jaw clutches controlling the belts. Because the crane upperworks must be swung to engage these clutches or a lug used to lock the belt in a positive manner the mechanism is very cumbersome and rather crude.* **Turns are extremely difficult and awkward.**

2. *Differential gears and band brakes on the car. When one brake is applied that belt stops and the other moves at twice the normal speed with about half as much available tractive effort. STEERING IS DIFFICULT IN CLOSE QUARTERS. When propelling straight ahead greater resistance on one belt will retard that side and speed up the other causing the machine to "stagger."*

3. *Three bevel gear transmission on the car with a jaw clutch reverse so belt on one side can be disconnected or reversed. TO STEER IN ONE DIRECTION THE PROPELLING MACHINERY MUST BE REVERSED.*

4. *Two speed gear transmissions on the car, one for each belt so one side can be propelled at about two-thirds the speed of the other, causing the crane to negotiate a curve of fixed radius. SHARP TURNS CANNOT BE MADE EXCEPT BY CONSIDERABLE MANEUVERING BACK AND FORTH. The gearing is quite complicated and very inaccessibly located on the car.*

IF YOUR crane can't make both *gradual curves* and *sharp turns* by merely throwing a lever on the operators platform, how can it maneuver in close quarters easily? You are missing more than you realize when your crane can't propel and steer as easily as an INDUSTRIAL. The narrow roadways and square corners in your yards, small streets and alleys, under and through the net work of viaduct piling and all such restricted traveling can be negotiated by the INDUSTRIAL type DC crawler crane in considerably less time than it would take any crane of other make. *Think what this saving would mean to you.*

An *independent drive* for *each* caterpillar from the upperworks to the driving sprocket, with each drive controlled by one *friction clutch and band brake* enables INDUSTRIAL operators to make gradual curves or sharp turns at will. No help is needed from a ground man, the cab does not have to be swung, no driving chains or jaw clutches are used and there are no complicated differential gears or speed gear transmissions. This INDUSTRIAL propelling and steering mechanism is a patented feature and is but one of the many excelling points that make owners more than satisfied—they are eagerly enthusiastic and repeat orders bespeak their confidence.

We will gladly send you names of INDUSTRIAL owners in your vicinity so you may write them for their opinion. Drop us a line today.

BRANCH OFFICES

Hurt Building, **Atlanta, Georgia** · McCormick Bldg., **Chicago, Ill.** · Dixie Terminal Bldg., Cincinnati, Ohio · Book Building, Detroit, Michigan · Kansas Ave., Tampa, Florida · Whitney Central Building, New Orleans, Louisiana · 50 Church Street, New York City · Packard Building, Philadelphia, Pa. · Railway Exchange Bldg., St. Louis, Missouri · Monadnock Building, San Francisco, Cal.

MAJOR AGENCIES

Ridenour & Kendig, Caxton Bldg., Cleveland, Ohio · F. H. Hopkins & Co., Ltd., 286 St. James St., Montreal, P. Q., Canada · Ridenour & Kendig, Chamber of Commerce Bldg., Pittsburgh, Pa. · Northwestern Equipment Co., Hoge Building, Seattle, Washington · F. H. Hopkins & Co., Ltd., Mail Building, Toronto 2, Ontario, Can.

SALES AGENCIES IN ALL OTHER PRINCIPAL CITIES

INDUSTRIAL WORKS · BAY CITY · MICHIGAN

Bridges (Continued)

Mahoning River, Erie, Baltimore & Ohio, and Pennsylvania R.R. tracks, here, from Stange Constr. Co., 2315 Fairmount Rd., Cleveland, $766,753. Noted July 1.

Ill., Chicago — Dept. Pub. Wks., Room 406, City Hall, Aug. 2, superstructure for double leaf trunnion bascule bridge over Chicago River, at North La Salle St., incl. wood block paving and sidewalks or rubber block paving and sidewalks, from Stroebel Steel Constr. Co., 53 West Jackson Blvd., $539,160. Noted July 22.

Ark., Batesville—State Hy. Comn., Little Rock, steel and concrete bridge over White River, here, from St. Louis Structural Steel Co., Amherst and Baltimore & Ohio R.R. tracks, St. Louis, Mo., $330,084. Noted July 22.

Tex., Groveton—See "Streets and Roads"

Tex., Madisonville—See "Streets and Roads"

Calif., Del Mar—State Hy. Dept., Sacramento, rein.-con. bridge over Atchison, Topeka & Santa Fe R.R. tracks, here, San Diego Co., from J. Short, Weed, $30,672. Engrs. est. $33,425.

Calif., Los Angeles — Los Angeles Co., concrete and steel bridge over Big Rock Creek, on Pear Blossom Rd., from De Waard & Son, 201 Alexander St., San Francisco, $27,129.

Calif., Oakland—Alameda Co., rein.-con. bridge over Arroyo del Valle, at Cresta Blanca, from Rocca & Caletti, 185 Stevenson St., San Francisco, $48,397.

Contracts Awarded

New Hampshire — See "Streets and Roads."

Florida — State Hy. Dept., Tallahassee, constructing 456 ft. bridge in Jackson Co., to Atlantic Bridge Co., Greensboro, N. C., $64,280; 134 ft. bridge, Charlotte Co., to Wilson Pipe Co., Punta Gorda, $39,203; 456 ft. bridge, St. Johns Co., to Peterson & Eamheart, Montgomery, Ala., $74,274; and 200 ft. bridge, Flagler Co., to F. M. Stuart Co., 1609 Post St., Jacksonville, $48,603. Grand total $226,360.

Alabama—State Hy. Comn., Montgomery, creosoted timber bridge on Monroeville-Belleville Rd., State Project 97, Monroe and Conecuh Counties, to Newell Constr. Co., Birmingham, $25,946.

O., Westville—Columbiana Co. (Lisbon), concrete and steel bridge, here, to N. R. Porterfeled, Youngstown, $36,961. Engrs. est. $40,000.

Ill., Chicago—Dept. Pub. Wks., Room 406, City Hall, operators houses and enclosure walls for double-leaf trunnion bascule bridge over Calumet River, at 100th St., to R. H. Simpson, 130 West Austin Ave., $87,285. Noted July 22.

Wis., Juneau—E. T. Klug, highway comr. Dodge Co., constructing Lowell Bridge, 1,064 cu.yd. Class C concrete and 1,665 lb. structural steel, etc., to Whitewater Bridge Co., Whitewater, $29,887.

Ia., Charles City—For I-beam bridge and 4 culverts, also deck girder bridge and extensions on Federal Aid Project 279-B, to Milford Constr. Co., Milford, $3,769 and $9,629 respectively, 15 culverts, on Federal Aid Project 279, and 12 culverts in county, to J. B. Elliott, Independence, $10,366 and $3,768 respectively. Grand total $27,532.

Ia., Independence—Buchanan Co., 3 span, 80 x 24 ft. spandrel filled concrete arch bridge with 5 ft. sidewalks, on Federal Aid Project 262, to Miller-Taylor Constr. Co., Waterloo, $37,860.

Ia., Newton—Jasper Co., 19 culverts and 5 slab bridges, to C. W. Mason, Monroe, $17,950; 17 culverts and 1 slab bridge, to S. A. Bakalyar, Des Moines, $9,994; also 32 culverts and 3 slab bridges, to J. D. Palmer, Kellogg, $23,525. Grand total $54,469. Noted June 24.

Ia., Rock Rapids—Lynn Co., 3 slab and 2 I-beam bridges, also 28 box culverts, to Humphrey & Son, Cherokee, $27,240, and P. N. Gillham, Luverne, Minn., $2,125.

Texas and Mexico—R. Creager, et al, c/o Gunter Hotel, San Antonio, Warrens Barabolic type toll bridge across Rio Grande River, between Brownsville, Tex., and Matamoras, Mexico, to Puget Sound Constr. Co., Seattle, Wash., and W. E. Callahan Co., Railway Exch. Bldg., St. Louis, Mo., approximately $350,000. Noted Apr. 15.

Tex., Anderson—See "Streets and Roads."

Tex., Eastland—See "Streets and Roads."

Dams

Proposed Work

Pa., Lock Haven—See "Waterworks."

Tex., New Braunfels—Guadalupe Power Co. plans 3 concrete dams approximating 60,000 kw. on Guadalupe River between here and Seguin. $2,500,000. Private plans.

Bids Desired

N. J., Newton—Aug. 16, by Town Com., additions and alterations to Morris Lake Dam, incl. construction screening house, intake, etc., in Sparta Twp. W. J. Hardin, 11 High St., town engr.; adv. E. N.-R. Aug. 12.

Contracts Awarded

Mo., Springfield—See "Unclassified."

Railways

Proposed Work

Texas—Missouri, Kansas & Texas R.R. Co., F. Ringer, ch. engr., St. Louis, making preliminary surveys, etc., improving and extending Kay line from San Antonio south to point about 100 mi. and enlarging terminals at San Antonio. $5,000,000. Private plans.

Texas—International-Great-Northern Ry. Co. (Missouri Pacific Ry. parent owner), C. S. Kirkpatrick, ch. engr., Union Sta., Houston, plans road bed improvements, etc., widening and restoring road embankments and placing crushed rock ballast on road bed, between Houston, Palestine and Longview. $600,000. Private plans.

Texas—San Antonio & Aransas Pass Ry. (Southern Pacific Ry. parent owner), G. W. Boschke, ch. engr., 65 Market St., San Francisco, Calif., making plans 114 mi. standard gauge line from Falfurrias to point in Cameron Co. near Brownsville. $600,000 or more. Private plans.

Bids Desired

Massachusetts — Aug. 31, by Transit Dept., 1 Beacon St., Boston, Sect. 3, Dorchester Rapid Transit. A. D. Adair, acting secy.; adv. E. N.-R. Aug. 12.

Bids Received

California—Atchison, Topeka & Santa Fe R.R., C. F. W. Felt, ch. engr., 80 East Jackson Blvd., Chicago, Ill., 600,000 cu.yd. excav. for 7 mi. railroad out of Corona, here, from W. A. Betchel, 625 Market St., San Francisco.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

La., New Orleans—Orleans Parish Levee Bd. plans reclaiming Lake Pontchartrain seawall project. $2,000,000. Election soon $4,000,000 bonds, for same.

Tex., Brownwood — Brown Co. Water Conservation Dist. making preliminary surveys, etc., irrigation, incl. concrete dam below junction of Jim New Creek and Pecan Bayou. $1,500,000. J. H. Ross, c/o Brady Bldg., San Antonio and P. A. Welty, Wichita Falls, engrs.

Tex., Dallas—Levee Impvt. Dist. 10, c/o J. J. Simmons, 808½ Commerce St., L. A. Stemmons, Republic Bank Bldg., and W. J. Wyatt, c/o Wyatt Metal and Boilers Wks., West Dallas; plans straightening 30 mi. Trinity River Channel with 15 mi. new channel, 25 to 35 ft. deep, and flood way 2,000 to 3,000 ft. wide. $6,000,000. Myers & Noyes, 1107 Mercantile Bank Bldg., engrs.

Tex., Robstown—Nueces Co. D. D. 2, c/o G. G. Newell, pres., making plans canal from here to Osa Creek, near Violet. $30,000 bonds voted.

Bids Desired

Mass., Boston—Aug. 16, by Penal Institute Dept., P. A. Chapman, comr., bulkheads, etc. Northerly Shore Deer Island. Private plans.

N. Y., Buffalo — Sept. 7, at office Div. Parks, City and County Bldg., excavating bottom of present lake to depth of 6 ft. below summer water level; also doing necessary work and dumping excavated material along north shore Scajaquada Creek. J. P. Moore, comr. Parks & Pub. Buildings. Noted June 17.

La., Shreveport — Aug. 20, by Caddo Levee Dist., 126 Milam St., W. A. Kerley, secy. 3,000 ft. bank protection at Corner Pl. Bend, and 1,200 ft. Brown Pl. Bend, in Red River; also drainage work in Trinity Bayou Basin, 27,000 cu.yd. excav. State Board Engineers, 213 New Orleans Court Bldg., New Orleans, engrs.

Ill., Fairfield—Aug. 25, by Skillet Fork Union Outlet D. D., for Sect. 1, 2,000,000 cu.yd. excav., bottom width 80 ft. Sect. 2, 1,000,000 cu.yd. excav., bottom width 70 and 50 ft., Sect. 3, 1,000,000 cu.yd. excav., bottom width 50, 40 and 30 ft. G. C. Harvey, Mt. Carmel, engr. Noted May 28, 1925.

Contracts Awarded

Mass., Boston—Commonwealth of Massachusetts, Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, excavating and grading highway and railroad bridge at Cottage Farm Bridge, to J. F. White Contr. Co., 56 Ellery St., Cambridge, at $0.39 per cu.yd. Engrs. total est. $1,000,000.

Mass., Scituate—Dredging channel, building bulkhead and fill dam, etc., to H. T. Cole, Scituate, $62,000. Noted July 15.

Streets and Roads

Proposed Work

N. C., Mt. Airy—Plans paving nearly all streets now unpaved.

N. C., Windsor—Bertie Co. sold $300,000 bonds, constructing roads. S. W. Kenney, clk. Bd. Co. Road Comrs.

N. C., Winston-Salem—City sold $1,575,000 bonds, constructing streets, sewer and waterworks, etc. Noted July 1.

Ga., Waycross—Plans paving 10 blocks various streets. To exceed $25,000. A. Cook, city engr.

Miss., Pascagoula—Jackson Co., plans paving 25,232 sq.yd. road from Ocean Springs to Harrison Co. line. F. H. McGowen, Ocean Springs, engr.

Tenn., Kingsport—Plans concrete paving various streets. To exceed $25,000.

Tenn., Murfreesboro — Rutherford Co. plans improving 16 mi. Murfreesboro-Coffee Co. line Rd. Work will probably be done by state forces and equipment. C. N. Bass, highway comr.

Kentucky—State Hy. Dept., Frankfort, soon takes bids improving 115.24 mi. roads in Anderson, Calloway, Clay, Grayson, Graves, Jackson, Jessamine, Leslie, Lincoln, Metcalf, McLean, Nelson, Ohio, Perry, Russell and Wayne Counties. E. N. Todd, highway engr.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, cancelled bids to have been opened July 30, grading, concrete or macadam paving 5.851 mi. Sects. "G" and "H-2" Toledo-Wauseon Rd., 20 ft., Lucas Co.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, rejected bids July 16, grading and concrete paving 6.881 mi. Sect. "C" Upper Sandusky-Delphos Rd. $148,532.

O., Carrollton—Council soon takes bids asphalt on concrete paving 5th St. $25,000.

O., Columbus—R. H. Simpson, city engr., 1748 Summit St., made plans grading, curbing and paving 5,295 sq.yd. 13th Ave., brick $39,621 and asphalt $36,282.

Ind., Indianapolis—Plans grading, curbing and paving, etc., Sharon Ave. from 16th to 19th Sts., Sharon Ave. from 19th to 20th Sts., Winfield, Ohmer, Medford, Rowland and Sheffield Aves.

Mich., Detroit—Making plans stone curbing, 3½ sheet asphalt on 8 in. concrete paving Mansfield Ave., Ford and Whittier Courts, College Dr., and 7 streets. $259,360. P. A. Fellows, City Hall, engr.

Mich., Grosse Pointe Farms (mail Grosse Pointe)—Making plans concrete curbing, 3,200 ft. storm water sewer, one course 7 in. concrete paving 15,023 sq.yd. Ridge Rd. J. R. Kerby, village clk.

Mich., Wyandotte—Made plans concrete curbing 12 in. storm sewers, one course 8 in. concrete paving 5,717 sq.yd. Assessment Dist. 59, 4,454 sq.yd. Dist. 63, 5,768 sq.yd. Dist. 64, and 1,624 sq.yd. Dist. 65. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Ill., East St. Louis—Making preliminary plans grading, curbing, guttering and concrete or asphalt paving portions 10 streets and avenues in Renshaw Avenue Paving Dist. $159,700. W. McK. Brown, City Hall, engr.

Ill., Edwardsville—Madison Co. rejected bids concrete paving 1 mi. Milton Rd. $37,085. Will readvertise. Concrete paving 2,000 ft. Edwardsville-Glen Carbon Rd., to J. Kesf & Sons, Edwardsville, $7,983.

Ill., Salem — Soon takes bids grading, curbing, guttering and rein.-con. paving 26,642 sq.yd. various streets. $124,016. Caldwell Eng. Co., 36 North Side Sq., Jacksonville, engr.

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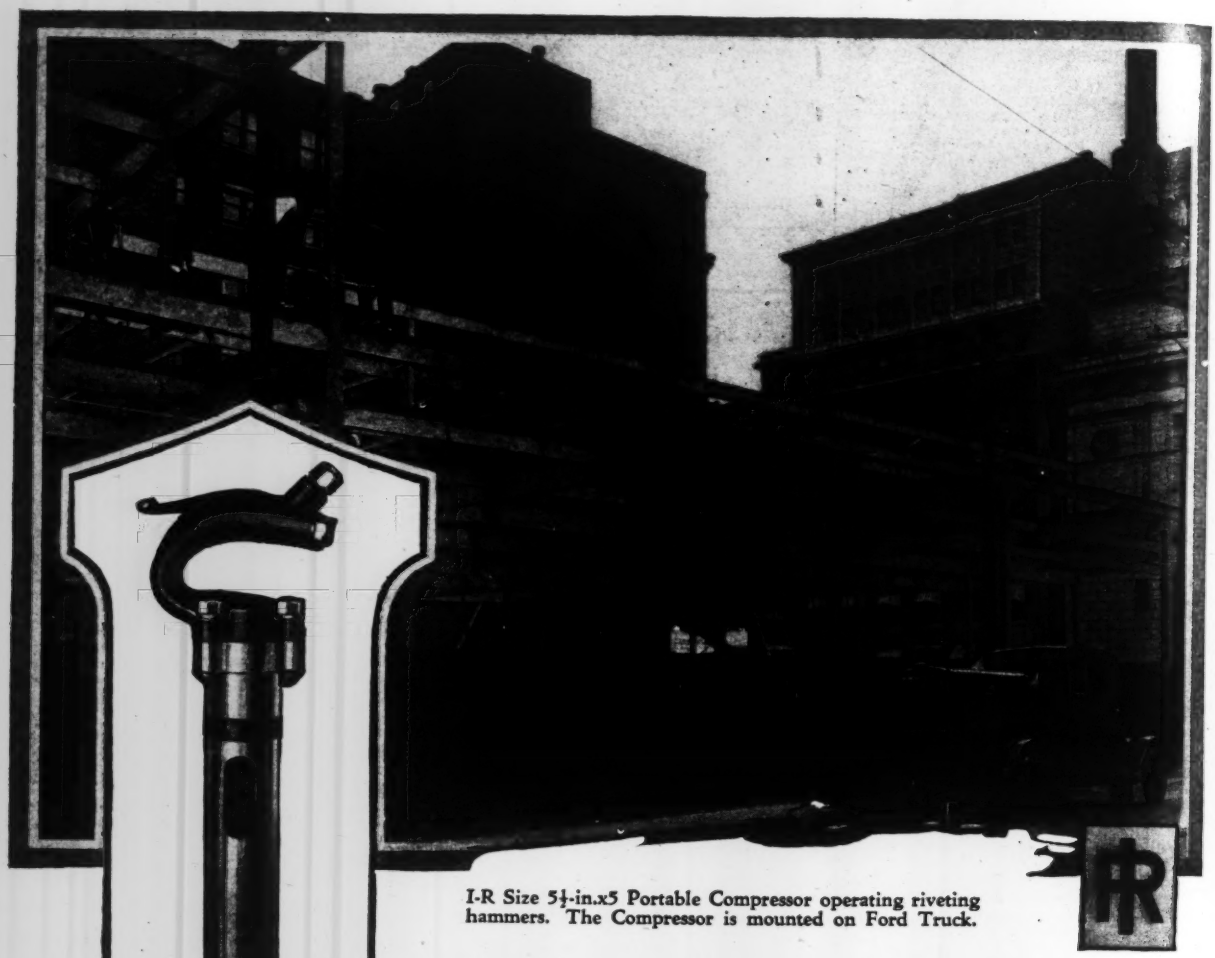

I-R Size 5½-in.x5 Portable Compressor operating riveting hammers. The Compressor is mounted on Ford Truck.

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Streets and Roads (Continued)

Ia., Rushville — Plans grading, curbing and rein.-con. paving 8,938 sq.yd. North Liberty St. Caldwell Eng. Co., 36 North Side Sq., Jacksonville, engrs.

Ia., Vinton—City and State making preliminary plans paving 15 blocks through city and on Primary Road 40.

Minn., St. Paul—City and Ramsey Co. making plans paving East Minnehaha St. between White Bear Ave. and city limits. $125,000. G. M. Shepard, city engr.

Minn., St. Paul—Making plans paving 1.75 mi. Edgecombe Rd. $76,000. G. M. Shepard, city engr.

Mo., Albany—Making preliminary plans grading, 6 in. concrete paving, etc., 30 blocks various streets. J. E. Rider, Richmond, engr.

Mo., Blackwell—Making plans vertical fibre brick paving approximately 7,800 yd. various streets. $40,000. W. Ritzhaupt, Blackwell, engr.

Mo., Kansas City—Making preliminary plans paving Troost Ave. $25,000. R. Waddell, City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, made plans recut granite block repaving Clark Ave. between 7th and 18th Sts. $120,000, 14th St. between Clark Ave. and point south Spruce St. $16,300, 10th and 11th Sts. between Spruce and Market Sts. $29,000 and $29,300 respectively; also amiesite, warrenite, bitulithic or asphalt paving, etc. Washington Blvd. $33,000-$34,000. W. W. Horner, 300 City Hall, engr.

Mo., Springfield—Soon takes bids grading, curbing and squeegee asphalt on 6 in. concrete paving, etc., 10 blocks 14th St. and Kentucky Ave. S. P. Ashcraft, Jr., City Hall, engr.

Arkansas—State Hy. Dept., Little Rock, soon takes bids grading and concrete paving 1.75 mi. Road Impvt. Dist. 8 of Garland Co. from Hot Springs city limits south, 18 ft. R. C. Limerick, highway engr.

Ark., Little Rock — Soon takes bids Warrenite bitulithic resurfacing 15,500 sq.yd. Paving Dist. 444, $35,000, top soiling 11,540 sq.yd. Dist. 449, $35,000; also grading, curbing and Warrenite on concrete paving 27,000 sq.yd. Dist. 349, $107,000. Grand total $177,000. W. T. Field, 334 Gazette Bldg., engr.

Tex., Anderson — Grimes Co. making plans grading and bridging 14 mi. Highway 90, State Aid Project 610-B, Unit 1. $114,-800. O. A. Seward, Jr., Navasota, engr.

Tex., Anderson—Grimes Co. making plans grading and bridging, etc., 3.7 mi. Highway 90, State Aid Project 610-E, unit. 1, 26 ft. $26,800. O. A. Seward, Jr., Navasota, co. engr.

Tex., Angleton—Brazoria Co. making plans grading and shell surfacing 4 mi. Highway 58, 18 ft. $30,000. E. N. Gustafson, Angleton, co. engr.

Tex., Bay City—Matagorda Co. making plans rein.-con. paving 1.1 mi. Highway 60, 18 ft. $30,000. E. N. Gustafson, Bay City, co. engr.

Tex., Big Lake—Voted $25,000 bonds, permanent paving various streets. Total $75,000. Devlin Eng. Co., Amarillo, engrs.

Tex., Brackettville—Kinney Co. voted $158,000 bonds probably gravel surfacing and grading 16 mi. highway radiating from here, 18 ft. $158,000. J. H. Stadler, judge.

Tex., Cold Springs—San Jacinto Co. making plans grading, bridging and gravel surfacing 35.67 mi. Highway 45, 18 ft. $453,-000. J. R. Spiller, Cold Springs, co., engr.

Tex., Cold Springs—San Jacinto Co. taking bids grading and bridging 5.871 mi. Highway 35, Federal Aid Project 426-B, Unit 1, $75,430. J. R. Spiller, Cold Springs, engr.

Tex., Cold Springs—San Jacinto Co., Making plans grading, bridging and gravel surfacing 13.44 mi. Highway 35, 18 ft. $225,-000. J. R. Spiller, Cold Springs, engr.

Tex., Corpus Christi—Nueces Co. making plans and soon takes bids 10 in. macadam and 1 in. rock asphalt paving 1.59 mi. Highway 16, Federal Aid Project 341, 18 ft. $36,057. H. Levinson, Corpus Christi, engr.

Tex., Denison — C. E. Haydon, engr., Denison, soon take bids paving 2 mi. various streets, for City.

Tex., Eastland—Making plans paving 3.3 mi. various streets. G. E. Franklin, Eastland, consult. engr.

Tex., Gainesville—Taking bids Oklahoma Rock asphalt paving 16 blocks various streets. $70,000. G. C. Cartwright, Gainesville, engr.

Tex., Leakey — Real Co. voted $50,000 bonds, grading and bridging 7 mi. highway. Address County judge.

Tex., Liberty — Election soon $50,000 bonds, paving various streets. H. O. Compton, mayor.

Tex., Mission—Plans permanent paving 50 blocks various streets. $100,000. Ewing & Congdon, city engrs.

Tex., Panhandle — Carson Co. voted $1,000,000 bonds concrete paving 66 mi. roads on Highways 33 and 75, etc. State and Federal Aid appropriate toward cost. Engineer not selected.

Tex., San Antonio — Bexar Co. making plans grading, bridging and gravel surfacing 5.15 mi. Highway 81, 18 ft. $35,000. A. C. Pancoast, 102 Turner St., engr.

Tex., Weatherford—Parker Co. rejected bids bituminous concrete paving 16.6 mi. Highway 1, 18 ft. $400,000. Will readvertise.

Oklahoma—State Hy. Dept., Oklahoma City, making surveys improving 1.4 mi. roads in Oklahoma Co., 30 ft., $35,000; also grading and paving 2 mi. in Canadian Co., 30 ft., $65,000. J. M. Page, highway engr.

Okla., Bartlesville—See "Sewers."

Okla., Bristow—Plans grading, curbing and vertical fibre brick paving 13,600 sq.yd. 4 streets. $66,200. C. Wilson, Bristow, engr.

Okla., Oklahoma City—Plans grading, curbing, guttering and sheet asphalt paving 5,660 sq.yd. Randolph, Elizabeth and 30th Sts. $28,740. B. M. Hart, City Hall, engr.

Okla., Stillwater—Plans grading, curbing and concrete paving 9,150 sq.yd. North Main St. $29,200. C. A. Wood, Stillwater, engr.

Calif., Bakersfield—Made plans grading, curbing, guttering and 1½ in. warrenite-bitulithic on 3½ in. asphaltic concrete paving 233,873 sq.ft. Baker St. To exceed $60,000. W. D. Clarke, city engr.

Calif., Berkeley—Plans repaving Spruce St. between Cedar and Los Angeles Sts. To exceed $40,000. Alameda Co. (Oakland) will pay 15% of cost.

Calif., El Centro—Imperial Co. making plans probably asphaltic concrete paving approximately 30 in. Calipatria Rd. Impvt. Dist.

Calif., El Monte—Plans grading, curbing, 7 and 8 in. concrete paving Lexington St., etc. To exceed $25,000.

Calif., Los Angeles — Los Angeles Co., soon takes bids curbing, sidewalks and concrete paving, etc., portion Vermont Ave., Co. Impvt. 580, to exceed $25,000; also Warrenite paving, etc., Vermont Ave., Co. Impvt. 580, to exceed $200,000.

Calif., Modesto—Stanislaus Co. made plans 5 in. asphaltic concrete paving 2,650 ft. road in Turlock to state highway. J. H. Hoskins, Modesto, co. surv.

Calif., Oakland — Made plans grading, curbing, guttering and oil macadam paving, etc., 31,695 sq.ft. portions 82nd and Partridge Aves.; also 5,217 sq.ft. macadam and 55,280 sq.ft. concrete paving portions Elmar and 35th Aves. W. W. Harmon, city engr.

Calif., Sacramento—Sacramento Co. made plans asphaltic macadam and Willite paving portions Del Paso and Marconi Aves., etc. To exceed $25,000. C. Deterding, Jr., Sacramento, co. surv.

Calif., Salinas—Monterey Co. made plans constructing Sierra-to-the-Sea Highway, 44,000 cu.yd. unclassified excav., 300 cu.yd. excav. in structures, etc. H. Cozzens, Salinas, co. surv.

Calif., San Diego—Common Council plans curbing, sidewalks and 5 in. concrete paving 96,201 sq.ft. 30th and G Sts.; also 95,-056 sq.ft. Chatsworth Blvd., Zola and Rosecrans Sts. F. A. Rhodes, city engr.

Calif., San Luis Obispo—San Luis Obispo Co. plans constructing 15 mi. road over Nipomo Mesa by way of Cienega Rd. To exceed $25,000.

Calif., Santa Barbara—Santa Barbara Co. made plans grading 5, 6 and 7 in. concrete paving, etc. Fairview Ave., Balboa St., etc. To exceed $40,000. J. L. McBride, Santa Barbara, co. road comr.

Calif., Santa Barbara—Santa Barbara Co. making plans constructing San Julian Rd. between Lompoc and Las Cruces. $35,-000. O. H. O'Neill, Santa Barbara, co. surv. Noted Feb. 25.

Calif., Santa Barbara—Santa Barbara Co. making plans widening and grading Foxen Canyon Rd. $50,000. O. H. O'Neill, Santa Barbara, co. surv.

Calif., Stockton—San Joaquin Co. made plans grading, etc., 1,500 cu.yd. portion Chrisman Rd. F. E. Quail, Stockton, co. surv.

Ontario—See "Contracts Awarded."

Ontario,—Brant Co. making plans graveling, macadam and concrete pavings suburban roads, etc. $113,151, and 12 county roads $70,777. A. M. Jackson, County Bldgs., Brantford, engr.

Ontario—Province of Ontario, Northern Development Branch, Toronto, making plans constructing 6 mi. gravel road between Chapleau and Devon. $50,000. C. H. Fullerton, Parliament Bldgs., Toronto, ch. engr.

Ont., Acton—Making plans concrete paving Main St. $35,000. A. Farmer, Town Hall, engr.

Ont., Bridgeburg—Town Council making plans concrete curbing, guttering, probably sheet asphalt paving approximately 5,000 sq.yd., various streets. $40,000. Griffin & Bates, Bridgeburg, engrs.

Ont., Riverside—Town Council making plans concrete paving 30,000 sq.yd. Edward St. and 13th Aves. $103,000. A. W. Connor & Co., Metropolitan Bldg., Toronto, engrs.

Ont., Thorold—Making plans asphalt or bitulithic on concrete or concrete paving 15,000 sq.yd. Pine and Welland Sts. $60,-000. D. J. C. Munroe, clk.

Ont., Thorold—Council making plans asphalt on concrete paving St. Davis Rd., Richmond, Elgin, Pine and Claremont Sts. A. Rutherford, 24 Queen St., St. Catharines, engr.

Ont., Toronto—York Twp. plans brick block paving 300 ft. and bitulithic paving 1,400 ft. Lambton Ave. $37,084. F. B. Goedike, 40 Jarvis St., engr.

Ont., Toronto—York Twp. making plans asphalt paving Shortt St., Caledonia Rd., Brookside, and Corby Aves. $76,120. F. B. Goedike, 40 Jarvis St., engr.

Ont., Toronto—York Twp. plans concrete curbing, guttering, sheet asphalt on 8 in. concrete paving 14,000 sq.yd. Jane St. $94,-506. F. B. Goedike, 40 Jarvis St., engr.

Ont., Windsor—Council, making plans sheet asphalt on concrete paving Ouellette Ave. from Erie St. to Tecumseh Rd. $186,-000. M. E. Brian, City Hall, engr.

Bids Desired

Massachusetts—Aug. 17, by Dept. Pub. Wks., Boston, bituminous concrete paving 30,000 ft. highway in Edgartown, Oak Bluffs and Tillsbury and 2,517 ft. in Harwich; also bituminous macadam paving 1,900 ft. in Wenham. W. F. Williams, comr.

Massachusetts—Aug. 24, by Dept. Pub. Wks., Boston, bituminous macadam paving 13,109 ft. highway in Barnstable and Mashpee. W. F. Williams, comr.

Mass., Medford (Boston P. O.)—Aug. 13, by Dept. Pub. Wks., Boston, bituminous macadam resurfacing Boston Ave., here. $25,000. E. A. Gaffey, comr.

R. I., Bristol — Aug. 17, by Town, at Town Clerk's Office, gravel and bituminous macadam paving various streets. $25,000 or more. Private plans.

Conn., Stamford—Aug. 20, by Common Council, rein.-con. paving Richmond Hill Ave., State Worth and Jefferson Sts. J. C. Williams, city engr.; adv. E. N.-R. Aug. 12.

N. Y., Brooklyn — Aug. 18, by J. A. Guider, pres. Brooklyn Boro., Boro. Hall, grading, curbing, flagging, etc. Kings Highway and Quentin Rd.; also grading and sheet asphalt on 6 in. concrete paving Avenue I, Quentin Rd., Blake Ave., 52nd and 54th Sts.

N. Y., New York—Aug. 17, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sheet asphalt on concrete paving East 208th St., Jesup, Inwood and Walton Aves.; grading, curbing, sidewalks, etc. on Spuyten Duyvil Rd., West 232nd St., Herring and Waring Aves.

New Jersey — Aug. 30, by State Hy. Comn., Trenton, rein.-con. widening Route 4, Sect. 3B, on South Amboy, Middlesex Co.; and rein.-con. paving Route 12, Sect. 8, Passaic River Bridge at Pine Brook to Fairfield, Essex Co. A. L. Grover, secy.; adv. E. N.-R. Aug. 12.

N. J., Middletown — Aug. 26, by Twp. Com., rein.-con. repaving 1.054 mi. Navesink Ave. and 1.231 mi. Shore Rd., Leonard and Center Aves. Allen & Randolph, 60 Broad St., Red Bank, engrs.; adv. E. N.-R. Aug. 12.

N. J., Somerville—Aug. 17, by Bd. Freeholders Somerset Co., 8 in. rein.-con. paving Sect. 2, New Jersey Turnpike. O. Smith, Jr., co. engr.; adv. E. N.-R. Aug. 12.

N. J., Union—Aug. 16, by Twp. Com., 8 in. bituminous macadam on rein.-con. paving approximately 4,786 sq.yd. Stanley Terrace. H. Kreh, Jr., twp. engr.

Pa., McKees Rocks—Aug. 16, by Boro Council, grading, curbing and paving Friendship Ave., Fair Oaks and Bruse Sts. $25,000. G. W. Lyle, Boro Hall, boro engr.

Pa., Monongahela City—Aug. 16, by R. B. Albright, city controller, curbing, resurfacing, etc. Grant, Meade and Jones Sts.

W. Va., Wheeling—Aug. 16, by City, H. L. Kirk, mgr., rein.-con. paving 10,000 sq. yd. Market and 24th Sts.; old brick paving 500 sq.yd. Wood St.; and amiesite on rein.-con. repaving 4,000 sq.yd. Campfire St. H. L. Arbenz, city engr.

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Streets and Roads (Continued)

North Carolina—Aug. 24, by State Hy. Comn., Raleigh, hardsurfacing 68.96 mi. roads in 8 counties, and topsoiling, sand clay or grading 87.51 mi. in 11 counties, structures only in one county; adv. E. N.-R. Aug. 12.

Ga., Cuthbert—Aug. 17, by City Clerk, curbing, sidewalks and brick, concrete or asphalt paving 12,000 sq.yd. various streets. O. H. Lang, Moultrie, engr.

Florida—Aug. 27, by State Hy. Dept., Tallahassee, 8 in. rock base on 13 mi. road, 19 ft., Hamilton Co.; and clearing, grubbing, grading, etc. 10.03 mi. road, 30 ft., Putnam Co. J. L. Cresap, engr.

Alabama—Sept. 29, by State Hy. Dept., Montgomery, graveling 5 mi. Butler Rd., Choctaw Co., 18 ft. $65,000. W. A. McCalla, highway engr.

Alabama—Sept. 29, by State Hy. Comn., Montgomery, grading, graveling, sand clay, chert or concrete surfacing 88.78 mi. roads in Dale, Coffee, Houston, De Kalb, St. Clair, Tuscaloosa, Limestone, Lawrence, Randolph and Marshall Counties, 18 ft. $921,000. W. A. McCalla, highway comr.

Louisiana—Aug. 17, by State Hy. Comn., Baton Rouge, constructing 4.484 mi. Rhinehart-Manifest Highway, State Project 517-A, Catahoula Parish. W. B. Robert, Reymond Bldg., highway engr.

Louisiana—Aug. 24, by State Hy. Comn., Baton Rouge, constructing 2.778 mi. Castor-Lucky Highway, State Project 526; 11.191 mi. Bienville-Jonesboro Highway, Project 526; 9 mi. road from west end Dugdemona Bridge to Jackson-Bienville Parish Line, Project 477-A; and Gibsland-Athens Highway, State Project 501, all Bienville Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

Louisiana—Sept. 7, by State Hy. Comn., Baton Rouge, graveling 8.76 mi. State Project 540, Morehouse Parish and 0.89 mi. State Project 541, Ouachita Parish, both on Bastrop-Farmersville Highway. W. B. Roberts, Reymond Bldg., Baton Rouge, highway engr.

Kentucky—Sept. 3, by State Hy. Dept., Frankfort, grading, paving, etc., 31.067 mi. roads in Green, Jassamine, Letcher and Ohio Counties, 16 to 24 ft. E. N. Todd, highway engr.

Ky., Paducah—Aug. 24 by City, at office Bd. Pub. Wks., City Hall, grading, curbing, guttering and rein.-con., rock asphalt, Warrenite bitulithic, Willite sheet asphalt, asphaltic concrete or sheet asphalt paving, etc. 44,580 sq.yd. Constrs. 5, 6, 7 and 8 Black & Veatch, 811 City Natl. Bank Bldg., and 701 Mutual Bldg., Kansas City, Mo., engrs. E. R. Bradshaw, city engr.; adv. E. N.-R. Aug. 12.

Ohio — Aug. 13, by G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, surface treating 79.728 mi. roads in Butler, Clinton, Greene, Lake, Muskingum, Richland and Warren Counties; furnishing and spreading limestone on 3.56 mi. roads in Adams Co., $11,583; grading, etc., 7.789 mi. in Carroll and Columbiana Counties, $149,695; paving 7.728 mi. Cuyahoga Co., sheet asphalt $1,060,000, brick $1,123,000, and concrete $878,000; paving 2.75 mi. Cuyahoga Co., brick on slag $385,000, brick on concrete $302,000; waterbound macadam paving 0.673 mi. Greene Co., $24,000; paving 6.48 mi. Hancock Co., concrete $195,000, and bituminous macadam $182,000; mixed type concrete and brick paving 0.358 mi. Knox Co., $30,000; brick paving 0.74 mi. Lake Co., $50,000; concrete widening 2.504 mi. Lorain Co., $32,200; grading, etc., 4.89 mi. Licking Co., $13,500; concrete or waterbound macadam paving 2.784 mi. Huron Co., $90,000; plain concrete widening 4.832 mi. Medina Co., $72,800; plain concrete paving 6.365 mi. Medina Co., $110,000; paving 4 mi. Pickaway Co., concrete $154,000, and brick $196,000, also 0.578 mi. Richland Co., bituminous concrete $28,400, and concrete $24,500.

O., Dayton—Aug. 20, by G. F. Baker, dir. Pub. Serv., rein.-con., asphalt, vibrolithic concrete or amiesite paving 6,400 ft. Linda Vista, Rosedale and Hoover Sts., also 4 alleys 16 and 30 ft. $55,000. J. F. Hale, city engr.

O., Columbus—Aug. 21, by Bd. Comrs. Franklin Co., grading and rein.-con. paving 0.671 mi. Leland Ave., 26 ft., $29,454; waterbound macadam paving 0.347 mi. Main St. (Urbandale), 16 ft., $9,325; paving Ingham Ave., Shields Pl., Schreyer Pl. and Brown Rds., Kentucky rock asphalt on waterbound macadam $41,761, same on concrete base $37,684, and sheet asphalt on concrete, $40,252.

Ind., Anderson—Aug. 16, by Comrs. Madison Co., constructing Amanada James and F. W. Kimmerling et al., free concrete roads. $52,891. C. Forkner, auditor.

Ind., Greencastle—Aug. 16, by Common Council, City Hall, paving Locust St. asphalt $40,575, concrete $40,546, brick $62,817, wooden block $56,572 or emulsified asphalt $38,024. G. Ensign, city clk. Noted July 15.

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Illinois — Aug. 18, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, vitr. brick or bituminous concrete with or without binder course paving 0.27 mi. Route 3, Sect. 73-X, Randolph Co., 4.01 mi. Route 13, Sect. 18, Perry Co., 5.09 mi. Route 13, Sect. 19, Randolph and Perry Counties, incl. 0.68 mi. grading, 3.89 mi. Route 13, Sect. 20, Randolph Co., incl. 0.43 mi. grading; also grading 0.32 mi. Route 8, Sect. 40-V-1, Knox Co., 2.18 mi. Route 13, Sect. 17-A, Perry Co., and 2.01 mi. Route 13, Sect. 20-A, Randolph Co. F. T. Sheets, highway engr.

Ill., Evanston—Aug. 19, by Bd. Local Impvts., paving various streets and alleys, also installing lead water service pipes and house drains. C. H. Bartlett, pres.

Ia., Denison—Aug. 20, by Auditor Crawford Co., graveling Schleswig-Denison Rd. and Ida Division of county roads, Div. 1, 70,200 cu.yd. excav., etc., Div. 2, 10,100 crushed gravel, 253,800 units ½ mi. haul and 4,000 cu.yd. stripping.

Ia., Sioux Center—Sept. 7, by City, grading, curbing and concrete paving, etc., 30,000 sq.yd. 16th and other streets. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Minnesota—Aug. 24, by State Hy. Dept., St. Paul, improving State Project 1-43, Div. D, Federal Aid Project 2, 74,000 sq.yd. concrete paving 22,000 sq.yd. excav. and portable culverts; Div. E, same road, 63,500 sq.yd. concrete paving, 35,300 cu.yd. excav. and portable culverts; and State Project 1-44, Sect. 7, Div. A, Federal Aid Project 1, 20,500 sq.yd. concrete paving, 10,000 cu.yd. excav. and culverts. Eng. Dept. State Highway, 1246 University Ave., St. Paul, engrs.

Kan., Ft. Scott—Aug. 30 (extended date), by Clerk Bourbon Co., grading, bituminous surfacing, etc., 3.005 mi. Federal Aid Project 339-A, 16 ft. H. McCurley, Ft. Scott, co. engr. Noted June 24.

Kan., Mankato—Aug. 31, by Clerk Jewell Co., grading, etc., 91,699 cu.yd. Federal Aid Project 272-D. O. B. Fredenhagen, Mankato, co. engr. Noted Aug. 5.

Neb., Ponca — Aug. 16, by City Clerk, grading, curbing and vertical fibre brick, asphalt, asphaltic concrete or concrete paving, etc., 14,500 sq.yd. 3rd, East and 4th Sts. Henningson Eng. Co., Natl. Bank Bldg., Omaha, engrs.

Mo., St. Louis—See "Bridges."

Ark., Hope — Aug. 16, by Bd. Comrs. Street Impvt. Dist. 3, grading, curbing, guttering, sewers and concrete, rein.-con., asphaltic concrete on concrete or macadam paving various streets. E. F. Petersen, Texarkana, engr.

Tex., Anderson—Aug. 19, by R. W. Barry, judge Grimes Co., grading, bridging, etc. 7.5 mi. Highway 90, State Aid Project 610-C, Unit 1, 26 ft. $70,500. O. A. Seward, Jr., Navasota, co. engr.

Tex., Georgetown — Aug. 17, by F. D. Love, judge Williamson Co., gravel and waterbound macadam paving 6.01 mi. Highway 2-B, Federal Aid Project 427, Unit 2, 18 ft. $42,000. M. C. Welborn, resident engr.

Nevada—Aug. 18, by State Hy. Comn., Carson City, grading, graveling, etc 9.21 mi. highway between point 8 mi. north of Tonopah and 30 mi. south of Manhattan, Nye Co. G. W. Borden, Carson City, engr.

Nevada — Aug. 18, by Director Dept. Highways, Carson City, grading and graveling 4.93 mi. Route 7, Sect. A-3, White Pine Co.; grading, etc., 80,000 cu.yd. Route 1, Sect. C-2, Washoe Co. G. W. Borden, highway engr.

New Mexico — Aug. 23, at Office State Hy. Dept., Santa Fe, **(F.A.P. means Federal Aid Project)**, grading approximately 20.182 mi. F.A.P. 107-C, and 5.132 mi. F.A.P. 143-B, both Dona Ana Co., also 8.261 mi. F.A.P. 166-A, Luna Co.; graveling approximately 6.78 mi. F.A.P. 146-D, McKinley Co., and 21.597 mi. F.A.P. 124-A, Hidalgo Co., one course graveling 7.253 mi. F.A.P. 146-B, McKinley Co.; also crushed rock surfacing, etc. 2.025 mi. F.A.P. 81-B, Colfax Co. J. A. French, highway engr.

B. C., Kerrisdale—Municipal Clerk, Point Grey, taking bids hardsurfacing Dunbar St. $115,000.

B. C., Vancouver—Bridge River Power Co. Ltd. taking bids constructing new road connecting Bridge River station, 104 mi. from Squamish, with portal of projected power tunnel, 2½ mi. distant, etc.

Bids Received

Vermont—State Hy. Dept., Montpelier, rein.-con. paving 0.94 mi. highway in Windsor, from Lane Constr. Co., 37 Colony St., Meriden, Conn., $39,451, concrete paving 0.23 mi. in Pownal, from C. B. Lindholm, 24 North St., Pittsfield, $24,965.

Massachusetts—Dept. Pub. Wks., Boston, Aug. 3, bituminous macadam paving 5,2[illegible] ft. highway in Framingham, from B. Perini & Son, Ashland $33,159, 6,653 ft. in Southbridge, from Indian Head Constr. Co., Fairburn Bldg., Lowell $41,856, and 4,[illegible] ft. in Hamilton, from Welch & Moynihan, 15 Front St., Salem $23,891; also grading, surfacing 7,230 ft. in Princeton, [illegible] Holmes & Reynolds, Rosindale, $27,[illegible] Noted July 29.

Mass., Boston — Sheet asphalt or bitulithic paving Commonwealth Ave., [illegible] Warren Bros. Co., 38 Charles River Rd., $24,070. Engrs. est. $25,000.

Mass., Boston—Asphalt or bitulithic paving Meridan St., from A. De Stephano & Son, 288 Summer St., $36,551.

Connecticut—State Hy. Dept., Hartford, rein.-con. paving 3,812 ft. approaches to new bridge, in Thomaston, from J. De Michael & Bros., Torrington, $65,670.

New York—A. W. Brandt, comr. Highways, Albany, Aug. 6, **(e. e. means engineer's estimate)** constructing and reconstructing 2.63 mi. Repair Contr. 1541, Jericho Turnpike Part 1, Highway 9020, Nassau Co., and 4.99 mi. Repair Contr. 3152, Canton-DeKalb Highway 5116 and Gouverneur-DeKalb Highway 5283, St. Lawrence Co. from Harrison Eng. & Constr. Corp., Ellicott Sq., Buffalo, $277,801 and $185,595 respectively, e. e. $349,752 and $224,211 respectively; 0.78 mi. Highway 1735, Florida Hamlet, and 1.68 mi. Highway 1736, Warwick Village, both Orange Co., from Greenfield & Harding, Hornell, $48,918 and $68,020 respectively, e. e. $58,775 and $86,639 respectively; 1.46 mi. Repair Contr. 1540, Schenectady-Thomas Corners, Highway 1172, Schenectady Co., from Koetteritz & Blakeslee, Little Falls, $62,954 e. e. $76,307; 2.23 mi. repair Contr. 1537, Morrisville-Bouckville, Highway 5330, Madison Co., from C. D. Murray, 701 Westcott St., Syracuse, $101,963 e. e. $128,113; 5.31 mi. Highway 8262, Wallkill-Ireland Corners Rd., Ulster Co., from O'Day & Ambrose, Binghamton, $252,275 e. e. $338,071; 2.78 mi. Southern State Parkway, Nassau Co., from Sprague Constr. Co., Inc., Mott Ave., for Rockaway, $287,719 e. e. $341,645; 1.14 mi. Repair Contr. 1538, Greenville-Slate Hill Highway, Highway 282, Orange Co., from H. H. Smith, Inc., Middletown, $62,155 e. e. $76,780; 7.45 mi. Repair Contr. 1536, Malone-North Bangor Rd., Highway 701, Malone-Moira Rd., Parts 2 and 3, Highway 5076, Franklin Co., from L. Mayersohm, 89 South Main Blvd., Albany, $284,714 e. e. $359,634; 1.06 mi. Highway 1738, Murray-Kendall Rd., Part 1, Orleans Co., from Oatka Eng. & Constr. Co., Warsaw, $74,767 e. e. $11,811; 3.89 mi. Repair Contr. 3149, Novis-Blue Stores Rd., Highway 589, Blue Stores-Livingston Rd., Highway 5004, Columbia Co., from Riteway Constr. Corp., 299 Bway., New York City, $249,009 e. e. $334,713; 5.7 mi. Repair Contr. 1535, Honeoye-Hemlock Rd., Highway 191, Livonia-Ontario Co. Line Rd., Highway 717, Livingston and Ontario Counties, from F. W. and J. J. Crouch, Rochester, $275,699 e. e. $379,589; 0.41 mi. Repair Contr. 3153 Lima-East Bloomfield Rd., Parts 1 and 2, Highway 5142 and 5041, Livingston and Ontario Counties, from T. F. Murray, LeRoy, $25,710 e. e. $29,608; 5.26 mi. Highway 8261, Milford-Roseboom Rd., Part 2, Otsego Co., from J. F. Paddelford, Sherburne, $257,799 e. e. $352,285; 4.18 mi. Repair Contr. 1539, Goshen-Florida Rd., Highway 44, Orange Co., from Hull & Saltsman, Highland Mills, $242,831 e. e. $308,078; and I-beam bridge 1, on Alpine-Cayuta Rd., Part 2, Highway 8242, Schuyler Co., from G. D. Case, Horseheads, $10,000 e. e. $13,160. Noted July 29.

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, from R. Lynster, 1364 Sterling Pl., grading Rockaway Blvd., $3,255; from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving Ditmas Ave. $2,440, and Tillary St. $1,134, from M. J. O'Hara, 557 3rd St., Colonial Rd. $3,880, East 28th St. $6,974, Sedgwick St. $2,972, and 48th St. $3,351, and sidewalks on Troy Ave $5,798, from Castle Bros., Johnston Pl., sidewalks on East 28th St. $2,730, from G. M. Mandato, 210 Neck Rd., on Troy Ave. $3,225, and from J. M. Fox, 270 Herkimer St., on 8th Ave. $570. Noted July 29.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Aug. 3, sidewalks on Mott Ave. and 94th St., from O'Brien & Kurth, 8625 137th St., Jamaica, $4,752 and $13,916 respectively, Ramsey St. and Foster Ave., from Welsh Bros. Contg. Co., 32 Queens St., $15,243 and $2,326 respectively, and Central Ave., from Stanhy Constr. Co., Steinway Ave., $33,251; grading Booth St., from Peace Bros., Inc.,

Streets and Roads (Continued)

15 Lawrence St., Flushing, $8,383; asphalt paving Singer and 94th Sts., from Cleveland Trinidad Co., Flushing, $15,268 and $25,081 respectively, Woodside Ave., from W. J. Fitzgerald, Grand Central Terminal, New York City, $102,950, and Central Ave., from Cranford Co., 52 9th St., Brooklyn, $111,578; asphalt paving Northern Blvd. and sidewalks on Hammels Blvd., from A. Paino, 32 Court St., Brooklyn, $270,653 and $84,180 respectively; sidewalks on Pansy St. and asphalt paving Woodside Ave., from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $11,485 and $23,360 respectively. Noted July 29.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Aug. 3, granite block paving 12th Ave. from Regan Towers Co., 127 West 121st St., $83,470; and West St., from St. George Paving Co., 90 West St., $125,879. Noted July 29.

New Jersey—State Hy. Comn., Trenton, Aug. 2, rein.-con. paving Route 4, Sect. 34-A, Cliffwood-Keyport Cutoff, Monmouth Co., from Decker & Canning, 395 Grove St., Newark, $273,577. Noted July 22.

Pennsylvania—State Hy. Comn., Harrisburg, July 27, **(R. means Route and A. means Application)**, one course rein.-con. paving, etc., 23,403 ft. R. 75, A. 3677, Venango Co., and 26,526 ft. Rs. 295-447, As. 4149-4105, Crawford Co., from Russell Bros., Route 5, Youngstown, O., $170,094 and $190,228 respectively, 22,335 ft. R. 336, A. 3724, Northumberland Co., from W. M. Moser, 121 North Oak St., Mt. Carmel, $168,822, 18,337 ft. R. 85, As. 3822-4128, Erie Co., from Colonial Constr. Co., 301 Arrott Bldg., Pittsburgh, $156,606, 18,754 ft. R. 157, Sect. 1, Berks Co., from W. B. Sheidy, Wyomissing, $147,047, 5,058 ft. R. 362, A. 3916 Montgomery Co., from Dalton Bros., Paoli, $45,806, 4,534 ft. R. 243, Sect. 3-A, Beaver Co., from Allison-Harris Constr. Co., 1220 Penna Ave., East Liverpool, O., $94,605, and 22,443 ft. A. 3908, Northumberland Co., from G. H. Hardner, Allentown, $156,634; also constructing bridge on As. 3794-3794-A, Clearfield Co., from Milliron Constr. Co., DuBois, $12,-163. Noted July 15.

Maryland—State Rd. Comn., Baltimore, macadam resurfacing 1.34 mi. Contr. F-94, Frederick Co., from Bester, Long Co., 40 East Baltimore St., Hagerstown, $12,285; concrete paving 1.61 mi. Contr. M 73, Montgomery Co., from Poffinberger & Mause, Myersville, $44,810, concrete shoulders 2 mi. Contr. M-71, Montgomery Co., from Southern Maryland Contr. Co., 12 East Lexington St., Baltimore, $14,768. Noted July 22.

Virginia—State Hy. Dept., Richmond, improving 4.064 mi. Route 31, Project F-440-D, Fairfax Co., 10 acres clearing and grubbing, 36,931 cu.yd. excav., 42,916 sq.yd. concrete paving, etc., also two 30 ft. span rein.-con. bridge with 24 ft. roadway over Pehick Creek, near Lorton, from Jenkins Constr. Co., Norton, $140,478.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, July 30, grading and concrete paving 1.763 mi. Sect. "R" Ohio River Rd., from H. M. Bates, Steubenville, $95,482, bituminous macadam paving 1.78 mi. Sect. "N" Steubenville-Cambridge Rd., from Truman Bros., Cadiz, $65,575, tar base $65,573, all foregoing in Jefferson Co.; sheet asphalt paving 0.218 mi. Sect. "Harding Memorial" Marion-Delaware Rd., Marion Co., from P. Drake & Sons, Marion, $25,392. Noted July 29.

O., Akron—W. F. Peters, dir. Pub. Serv., July 26, grading and paving with **(a)** brick **(b)** asphalt **(c)** concrete **(1)** 4,095 sq.yd. Locust St. **(2)** 8,950 sq.yd. Glendora Ave. **(3)** 2,030 sq.yd. Mercer Ave. **(4)** 1,940 sq. yd. Crouse St. **(5)** 1,165 sq.yd. Johnston Court, grading, sewers and 4 in. concrete sidewalks **(6)** 48,500 sq.ft. Arnold Ave. et al, from T. E. McShaffrey Constr. Co., 173 South Forge St., **(b1)** $17,758 **(a2)** $53,579 **(b2)** $49,810 **(a3)** $15,762 **(a4)** $16,954; from McCourt Constr. Co., 369 South Main St., **(b3)** $13,986; from Columbus Asphalt Paving Co., 304 Buckeye Bldg., **(b4)** $15,-696; from Hollinger & Davidson, 435 South Bway., **(c5)** $4,203; from McAlonan Bros., 506 Woodland Ave., **(6)** $61,215.

O., Cincinnati—Concrete repaving, etc., 3,950 sq.yd. Ambrose Ave., from J. G. Herman, 642 Nelson Pl., Newport, Ky., $21,241. Engrs. est. $26,000. Noted Mar. 25.

Michigan—H. C. Fleming, resident engr., Grand Rapids, concrete paving 3.151 mi. T. L. 24-32, 20 ft., Muskegon Co. from J. R. Edelman, Muskegon, for State Hy. Dept., Lansing., $49,335.

Ill., Glencoe—Grading, curbing, sewers, sidewalks and concrete paving, etc. 42,000 sq.yd. Sheridan Rd., from Highway Constr. Co., Highland Park, $189,287. Noted May 13.

Minn., St. Paul—G. J. Ries, aud. Ramsey Co., July 6, grading and one course concrete paving, etc. 12,608 sq.yd. Project 26-07, from Thornton Bros. Co., 318 Endicott Bldg., at $1.92 per sq.yd.

Kan., Topeka—Shawnee Co., July 19, grading and paving 39,708 sq.yd. Federal Aid Project 355-A, from Ziegler Bros., Junction City, $96,282. Noted July 1.

Texas—Trinity Co., from J. S. Moore & Sons, Lufkin, grading, bridging, etc., 5.123 mi. Highway 94, State Aid Project 677-D, regular bid $58,477, and alternate bid $58,-146, engrs. est. $68,700; also 7.98 mi. same road, State Aid Project 677-B, $46,477, engrs. est. $64,500. Noted July 8.

Tex., Groveton—Trinity Co., clearing, grubbing, grading, etc. 10,341 mi. Highway 94, State Aid Project 677-C, 26 ft., from J. A. Moore & Sons, Lufkin, $40,561. Engrs. est. $56,200.

Tex., Madisonville—Madison Co., clearing, grubbing, grading, bridging, etc., 12.562 mi. Highway 21, Federal Aid Project 490-A, from Thomas & Ratliff, Rogers, $85,884. Engrs. est. $104,205. Noted July 8.

Colo., Denver—Asphaltic concrete paving West Denver Paving Dist. 13, from Allied Contractors, Inc., Majestic Bldg., 4 in. rock base $63,822, and 6 in. concrete base $65,-152, West Denver Paving Dist. 14, from Western Paving Constr. Co., 5230 Washington St., $53,015; also curbing, grading and surfacing North Side Impvt. Dist. 36, from Western Constr. Corp., 3262 Blake St., $81,964.

Wash., Seattle—Bd. Pub. Wks., July 23, grading and concrete sidewalks on 15,700 lin. ft. 20th St. N. E., et al, from Odman Contg. Co., 2534 33rd Ave. S., $69,768; engrs. est. $78,020; grading, 6 and 7 in. concrete paving, etc., 35 675 sq.yd. 1st Ave. N. W., et al, and 80,015 sq.yd. East 65th St., et al, from Fiorito Bros., 3950 6th St., N. W., $104,301 and $184,556 respectively. Engrs. est. $116,120 and $201,617 respectively.

California—State Hy. Comn., Sacramento, July 26, concrete paving road between West Sacramento to Yolo Bridge, Yolo Co., from H. Brown, 1229 L St., Sacramento, $31,274. Engrs. est. $31,136. Noted July 15.

California—State Hy. Comn., Sacramento, grading and concrete paving 5 mi. road from Oxnard to Heuneme Rd., from United Concrete Pipe and Constr. Co., Ventura, $154,591. Engrs. est. $182,357. Noted June 24.

Calif., El Cerrito—From Oakland Paving Co., 5000 Bway., Oakland, improving San Pablo Ave., 63,000 sq.ft. 2 in. Warrenite-bitulithic on 4 in. asphalt and 126,000 sq.ft. 1½ in. Warrenite-bitulithic surfacing $24,735 (cash to be paid by state), 186,801 sq.ft. 2 in. Warrenite-bitulithic on 4 in. asphalt surfacing $0.26 per sq.ft., and 382,-626 sq.ft. grading $0.035.

Calif., Long Beach—Curbing, guttering, 2 in. asphaltic concrete on concrete paving State St. between Temple and Cherry Aves., from Griffith Co., Railway Bldg., Los Angeles, $38,420.

Calif., Los Angeles — From H. A. McCray, 1701 Morton St., improving Riverside Dr., grading $2,200, 112,478 sq.ft. 6 in. concrete paving at $0.185 per sq.ft., 106,147 sq. ft. decomposed granite roadway $0.04, total to exceed $27,150; Cahuenga Blvd., grading $12,000, 350,885 sq.ft. 8 in. concrete paving $0.21, 195,917 sq.ft. oiled roadway $0.045, etc., total approximately $153,500; and Cumpston St., grading $2,200, 95,959 sq.ft. sidewalks $0.13, etc., total to exceed $27,350. Noted Aug. 5.

Calif., Napa—J. A. Daly, clk. Napa Co., concrete paving 2.61 mi. road from Rutherford to Dinning Bridge, from C. W. Wood, Mantena, $29,757. Noted July 15.

Calif., Oakland—From Hutchinson Co., 1706 Bway., improving 94th Ave., 214,089 sq.ft., guttering at $0.0325 per sq.ft., 121,776 sq.ft. National paving $0.26, etc.; also from Oakland Paving Co., 500 Bway., Foothill Blvd., 47,190 sq. ft. grading $0.07, 44,888 sq.ft. 2 in. Warrenite on 6 in. concrete paving $0.31, etc. Noted Aug. 5.

Calif., San Anselmo — Concrete curbing, guttering, cement sidewalks and grading 5,705 cu.yd. Red Hill Ave., from A. B. Rilovich, 2588 Mission St., San Francisco, $34,850.

Calif., Santa Cruz—For 5 in. concrete paving, etc., Laurent St., from Granite Constr. Co., Watsonville, $51,795.

Calif., Vallejo—For 2 in. Topeka on 4 in. asphaltic concrete paving portions Sacramento, Branciforte Sts., etc., from J. E. Johnston, Savings & Loan Bldg., Stockton, $36,560. Noted Feb. 4.

Calif., Vallejo—Vibrolithic concrete paving portions Tennessee, Napa Sts., etc., from L. Tagnon, 1735 Napa St., $27,340.

Contracts Awarded

Me., Portland—Granite block on concrete paving Brighton Ave., to R. Kennedy & Co., Inc., 278 Middle St., $38,700.

New Hampshire—State Hy. Dept., Concord, **(e. e. means engrs. est.)**, bituminous macadam on 8 in. graveling 1.013 mi. Contoocook Valley, 18 ft., Cheshire Co., to W. H. Hinman, Medway, Mass., $28,832 e. e. $40,000, and 1.091 mi. Contoocook Valley, 21 ft., Hillsboro Co., to Cantanese Constr. Co., Fitchburg, Mass., $22,906 e. e. $28,000; 32 ft. span rein.-con. deck girder bridge and approaches over Hampton River, on 0.037 mi. road in East Side, Rockingham Co., to Z. A. Houle, Lowell, $24,234 e. e. $40,000. Grand total $75,972. Noted Aug. 5.

New Hampshire—State Hy. Dept., Concord, improving highway in Walpole, to J. S. Kean, Waverly, $1,800; gravel surfacing in Antrim, to Catanese Constr. Co., Fitchburg, Mass., $22,905; bituminous macadam paving in Rindge, to W. H. Hinman, Medway, Mass., $18,832; 32 span rein.-con. girder bridge in Hampton, to Z. A. Houle, Lowell, Mass., $24,233. Grand total $67,770.

Massachusetts—State Dept. Pub. Wks., Boston, gravel bituminous macadam paving 4,600 ft. highway in Blackstone, to A. E. Pasquale, Milford, $8,495; bituminous macadam paving 14,352 ft. in Sterling and Leominster, to G. Rossi & Son, Leominster, $108,005, 2,750 ft. in Westwood, to Unity Constr. Co., 42 Prospect St., Somerville, $17,348, and 4,801 ft. in Hinsdale, to Richmond Foundation Co., Pittsfield, $82,883. Grand total $216,731. Noted Aug. 5.

Mass., Boston—Bituminous paving various streets in Ward 9, to H. F. Malley, 96 Tyndale St., Roxbury, $21,366, also recut granite block paving Washington St., to B. E. Grant Co., 100 Floyd St., Roxbury, $57,957.

Mass., Medford (Boston P. O.)—Reconstructing various streets, to A. G. Thomasello & Son, Inc., 68 Devonshire St., Boston, $59,793.

Connecticut—State Hy. Dept., Hartford, asphalt on concrete paving 8,232 ft. West Center St., 45 ft., in Manchester, to E. Balf Co., 173 State St., Hartford, $137,594.

Conn., Manchester—Asphalt on concrete surfacing 8,232 ft. West Center St. to E. Balf Co., 14 Haynes St., Hartford, $137,594. Engrs. est. $140,000.

N. Y., Brooklyn—Park Bd., at office Dept. Parks, Arsenal Bldg., 5th Ave. and 64th St., New York City, improving Shore Rd. from 4th to Bay Ridge Aves., to Cranford Co., 9th St., $137,868. Noted July 15.

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, to B. Greico, 44 Russell St., granite paving North 6th St., $52,936; to G. M. Mandato, 129 29th St., grading, etc., West 37th St., $6,571; to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving Brooklyn Ave. $8,605, East 28th St. $6,977, and Lefferts Ave. $9,421, to M. J. O'Hara, Neptune Ave. and West 19th St., 60th St. $31,809, and 71st St. $5,062, to B. Turecamo Contg. Co., 8706 Bay 12th St., 17th Ave. $36,104, to Uvalde Asphalt Paving Co., 1 Bway., New York City, Rutland Rd. $3,828, and to Borough Asphalt Co., 1301 Metropolitan Ave., West 37th St. $994. Grand total $162,307. Noted Aug. 5.

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, to J. D. Norton, 20 Sterling Pl., granite block paving Centre St. $7,285, and to Leonard Paving Co., Woolworth Bldg., New York City, Wallabout St. $62,799; to G. M. Mandato, 129 29th St., grading, curbing, etc., Ryder St. $3,811, to F. Persicano, 350 Fulton St., 53rd St. $3,442, and sidewalks on East 4th St. $3,787; to M. J. O'Hara, 1228 Park Ave., New York City, asphalt paving East 4th St. $6,143, East 26th St. $4,962, Ryder St. $6,467, 53rd St. $6,230, and 93rd St. $3,986, to Boro Asphalt Co., 1301 Metropolitan Ave., Pitkin Ave. $4,518; to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., Nevins St. $3,802, Snyder Ave. $75,063; to B. Turecamo Contg. Co., 8706 Bay 12th St., 75th St. $10,909, and 79th St. $6,351; and to Connor Bros., 629 Albany Ave., concrete paving East 83rd St. $24,347. Grand total $233,902. Noted July 29.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, curbing, sidewalks and bituminous concrete on concrete paving Andrews Ave., to Interboro Asphalt Paving Co., 2306 Creston Ave., $23,445. Noted July 29.

N. Y., New York — J. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, curbing, etc., Barnes Ave., to S. Nugent, Riverside Dr. and

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Streets and Roads (Continued)

170th St., $5,834; grading and sheet asphalt paving Plimpton Ave., to Asphalt Constr. Co., 2197 Madison Ave. $36,083, East 171st St., to C. D. Beckwith, Inc., Seneca Ave. and Edgewater Rd. $24,409, and Timpson Pl., to Brusstar Constr. Co., Edgewater Rd. and Stafford Ave. $35,000. Grand total $101,326. Noted Aug. 5.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, grading and bituminous concrete paving Forest Ave. from Bway. to Manor Dr., to J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $53,523. Noted Aug. 5.

Pa., Phila.—Dept. City Transit, repaving Broad St. between Montgomery and Cumberland Sts., Contr. 161, to F. A. Canuso & Son, 804 South 12th St., $134,-510.

N. C., Greensboro — Paving various streets, Contr. 12, to R. G. Lassiter & Co., Greensboro, $181,855.

N. C., Greensboro—Paving Contr. N. 11, various streets, to Murray Constr. Co., Greensboro, $543,498. Noted July 22.

Florida — State Rd. Dept., Tallahassee, grading, etc., 17.08 mi. roads in Sarasota Co., to W. J. Bryson, 239 West Adams St., Jacksonville $118,087, 12 mi. Dade Co., to R. C. Huttman Constr. Co., Lake Wales $282,752, 15 mi. Lake Co., to E. W. Ellis, Titusville $109,130, and 13.27 mi. road to M. Winterburn, Graham Bldg., Jacksonville $121,213; 8 in. rock paving 9.41 mi. Columbia Co., to Duval Eng. & Constr. Co., Dyal Upchurch Bldg., Jacksonville $162,-319, 6.45 mi. road to McLeod Constr. Co., 5201 Seminole Ave., Tampa $96,583, 8.03 mi. Citrus Co., to W. P. McDonald, Lakeland $125,769, 13.47 mi. Suwannee Co., to Baker & Foulks, Ocala $226,737, 8.16 mi. Lee Co., and 5 mi. Highlands Co., to H. E. Wolte, St. Augustine $158,841 and $96,249 respectively, and 9.73 mi. Charlotte Co., to Broadbent Constr. Co., Ocala $173,028; also digging canal ditch in Charlotte Co., to Thompson & Mosley, Inc., Tampa, $9,924. Grand total $1,680,632. Noted July 15.

Miss., Pontotoc—Pontotoc Co., improving 10.193 mi. Federal Aid Projects 177-B and 182, 45,468 cu. yd. excav., 34,459 cu.yd. borrow, 39,731 lb. reinforcing and 45,070 lb. structural steel, 21,321 cu.yd. gravel 1 mi. haul, 38,500 units overhaul, 4.63 m.i Bermuda Sod, 98,434 ft. creosoted timber, etc., to T. E. Collins, Pontotoc. Noted Apr. 1.

La., Benton—Bossier Parish Police Jury, grading and paving 6 mi. Project 2-A, Sect. 3, Rocky Mount-Cotton Valley Highway, to Ballio & Terry, Cotton Valley, $40,891; bridges and pile trestles on same highway to J. F. Mullins, Pine Bluffs, $16,731 and $7,891 respectively; ¾ mi. embankment on Bodcau Bayou, Benton-Bellevue Highway, to McWilliams Dredging Co., Carondolet Bldg., New Orleans, $15,875; and bridges on Benton-Bellevue Highway, to Welsh & Salter, Natchitoches, $9,675. Grand total $91,064. Noted July 8.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, to Spencer Stone Co., Spencerville, surface treating 2.1084 mi. Sect. "E-3" Lima-Spencerville Rd., Allen Co., $34,745; to G. A. Ladd, Weston, surface treated macadam paving 3.362 mi. Sect. "C" Barberton-Greenwich Rd., Ashland Co., $31,552; to Lynn Constr. Co., Paulding, concrete paving 2.006 mi. Sect. "B-2" Findlay-Delphos Rd., Allen Co., $66,700, to Lewis & Copeland, Lima, 5.471 mi. Sect. "B-1" Youngstown-East Liverpool Rd., Columbiana Co., etc., $75,106, 0.851 mi. Sect. "H" same road $22,503, and 1.95 mi. Sect. "G-2" same road $72,600, to W. R. Ringwald & Sons, Chillicothe, 0.616 mi. Sect. "G" Cincinnati-Zanesville Rd., Fairfield Co. $18,290, and brick paving 9 mi. Sects. "U" and "Amanda" same road $35,-465, to Brewer & Brewer Sons, Chillicothe, 7 mi. Sects. "F" and "J" Jackson-Pomeroy Rd., Jackson Co. $20,013, to G. LaBoiteaux, Toledo, 1.492 mi. Sect. "H" Beno-Port Clinton Rd., Lucas Co. $57,305, to Griggs-Anderson Constr. Co., Millersburg, 2.782 mi. Sects. "Wadsworth" and "North Star" Barberton-Greenwich Rd., Medina Co. $43,-022, to W. J. and P. L. Howell, Wapakoneta, 0.4146 mi. Sect. "Ludlow Falls" Dayton-Covington Rd., Miami Co. $16,553, and to A. J. Baltes, Norwalk, 2.167 mi. Sect. "A-2" Fremont-Port Clinton Rd., Sandusky Co. $53,705; to F. Stone Co., Toledo, traffic bound macadam paving 2.65 mi. Sect. "Z" Barberton-Greenwich Rd., Huron Co. $5,604. 3.9 mi. Sect. "E" Savannah-Vermillion Rd., same county $7,909, 5.6 mi. Sect. "C," etc., Shelby-Galion Rd., Richland Co. $10,968, and traffic bound gravel or limestone paving 5.5 mi. Sect. "A-1," etc., Plymouth-Bucyrus Rd., Crawford Co. $11,309, to Craig & Jordan, Blanchester, 5.27 mi. Sect. "E" New Matamoras-Bloomfield Rd., Washington Co. $6,085; to D. A. Phillips & Son, Ashland, brick widening 2.473 mi. Sect. "A" Ashland-Wooster Rd., Ashland Co., $58,615; to Mansfield Asphalt Paving Co., Mansfield, widening and bituminous concrete paving 0.937 mi. Sect. "I" Mansfield-Mt. Gilead Rd., Richland Co., $23,661; to O. L. Smith, Leipsic, widening and waterbound macadam paving 2.106 mi. Sect. "F" Lima-Ottawa Rd., Putnam Co. $36,205, and bituminous macadam paving 4.532 mi. Sects. "B" and "C" Ottawa-Grand Rapids Rd., same county, $74,229; to E. Dunn, Carey, traffic bound gravel or limestone paving 2 mi. Sect. "F" Bucyrus-Clyde Rd., Crawford Co., $4,280; to Mahoning Contg. Co., Warren, waterbound macadam paving 3.61 mi. Sect. "Q" Chagrin Falls-Creenville Rd., Trumbull Co. $74,400, to Evans Bros., Hubbard, 6.32 mi. Sect. "E-1" Warren-Meadville Rd., same county, $92,756; to Troyer & Bixler, Aurora, traffic bound gravel paving 1.7 mi. Sect. "B-2" Aurora-Warren Rd., Trumbull Co., $3,736; to Enterprise Paving Co., 8436 Bway. Ave., Cleveland, grading and brick widening, etc., 5.345 mi. Sect. "A" Cleveland-Sandusky Rd., Cuyahoga Co., $233,973; to J. H. Murphy & Sons, Burgoon, bituminous macadam paving 0.914 mi. Sect. "1" Fostoria-Carey Rd., Seneca Co. $14,689, and 3.505 mi. Sect. "K" same road $69,531, to Seneca Constr. Co., Kansas, 7.05 mi. Sect. "A" Tiffin-New Haven Rd., Seneca Co., $167,-545; to C. A. White Co., Willoughby, widening and rein.-con. resurfacing 1.084 mi. Sect. "E" Cleveland-Meadville Rd., Geauga Co., $36,552; to R. F. Shipley, Chagrin Falls, widening and traffic bound macadam resurfacing 2 mi. Sect. "F" Chardon-Madison Rd., Geauga Co., $17,-917; to Markel Bros., Mansfield, concrete widening 2.238 mi. Sects. "A" and "X" Monroeville-Willard Rd., Huron Co., $20,-230; to E. J. Kane, Youngstown, granulated slag paving 4.15 mi. Sect. "R" Youngstown-Salem Rd., Mahoning Co., $41,386; to R. Shafer, Athens, furnishing, hauling and spreading gravel 14.2 mi. Sect. "D-2" Woodsfield-Clarington Rd., Monroe Co., $16,045; to J. R. Ralston, Logan, furnishing and hauling limestone 4.5 mi. Sect. "C" Nelsonville-New Straitsville Rd., Hocking Co., $9,968; to D. A. Orr & Co., Columbus, grading, etc., 5.174 mi. Sects. "C" and "Delroy," Carrollton Rd., Carroll Co. $47,517, to Culbertson Casper Co., Canton, 6.477 mi. Sects. "J" and "F" Steubenville-Cambridge Rd., Harrison Co. $104,379; and to Guilford Wright Co., Akron, 1.372 mi. Sect. "G-2" Cadiz-Carrollton Rd., Harrison Co., $11,677. Grand total $1,748,725. Noted July 29.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, surface treated macadam paving 1.467 mi. Sect. "Winchester" Batavia-Winchester Rd. Adams Co., to C. H. Dunn, Mt. Orab, $33,190; traffic bound gravel paving 6.5 mi. Sects. "E" and "F" Columbus-Sandusky Rd., Crawford Co., to Erman & Seible, Defiance, $13,492; concrete widening 0.1101 mi. Sect. "K-1" Toledo-Elmore Rd., Ottawa Co., to Clark Bros., $3,070; brick paving 4.032 mi. Sect. "A-2" Harrisburg-Westville Rd., Stark Co., to D. A. Orr Co., Columbus, $191,180; concrete paving 1.802 mi. Sect. "P-2" Canal Dover-Millersburg Rd., Tuscarawas Co., to LeRoy Springer, New Philadelphia, $53,-587. Grand total $294,519. Noted July 29.

O., Cincinnati—Concrete repaving 12,500 sq.yd. Glenway Ave., to Andrews Asphalt Co., Hamilton, $60,940, engrs. est. $72,874; and granite block repaving McMicken Ave., to Cino Constr. Co., 221 West 9th St., $45,-228, engrs. est. $51,082. Noted Aug. 5.

O., Cleveland — To Cleveland Trinidad Paving Co., The Arcade, sheet asphalt paving, etc., 14,250 sq.yd. Chester Ave., $70,-303; to H. G. Herring, Wayside Rd. brick and bituminous concrete paving Dorchester Ave. $21,644, Hallock Court $12,441, and Kunz Ave. $13,443. Grand total $117,831. Noted Aug. 5.

O., Cleveland—Brick paving, etc., Waterloo Rd., to Gould & Maybach, 16311 Saranec Rd. $99,473, East 149th St., and bituminous concrete paving Hamilton Ave., to Rieley Bros., The Arcade, $8,932 and $9,311 respectively, also Flamingo Ave., to Freshwater Constr. Co., Davis & Farley Bldg., $15,216. Grand total $132,932.

O., Cleveland—Vitr. brick paving, etc., 14,000 sq.yd. West 117th St., to Roehl Bros. Paving & Constr. Co., 7002 Denison Ave., $88,332.

O., Cleveland Heights (Warrensville P. O.)—Brick paving Greyton Rd., to Rieley Bros., The Arcade, Cleveland, $23,787; asphaltic concrete paving South Noble Rd., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $4,905, and Overlook Rd., to Bentley Bros., Hanna Bldg., Cleveland, $25,895. Grand total $54,587. Noted Aug. 5.

O., Portsmouth—To S. Monroe & Sons, Portsmouth, grading and brick on concrete paving, etc., Cherry St. $16,805, and brick on 6 in. concrete paving Sycamore St. $11,-268; to Frowine Bros., brick on 6 in. concrete paving Glover, 23rd and 21st Sts. $19,222, and brick on 5 in. concrete paving Mulberry, Patterson, Sprague and Massachusetts Alleys $24,184.

O., Youngstown—Mahoning Co., asphalt on macadam paving various streets in Fairlawn Plot, to J. Caputa Co., 1009 Ford Ave., $27,612. Engrs. est. $30,000.

Indiana—State Hy. Comn., Indianapolis, concrete paving 7.915 mi. State Road 10, Lake Co., 18 ft., to Shank & Gannon, Watseka, Ill., $153,390. Engrs. est. $187,-251. Noted July 8.

Ind., Bedford—City Council paving E. St. from 4th to 15th Sts., to Sherrill & Blackwell, Bedford, $51,372.

Ind., Gary—Bd. Pub. Wks., paving Hemlock Ave., to B. C. Milbrath, Gary, $21,834. Engrs. est. $26,100.

Ind., South Bend—Bd. Pub. Wks., asphaltic concrete paving Irvington-Fairview Aves., to Reith-Riley Constr. Co., Goshen, $30,313.

Michigan—State Hy. Dept., at office Wayne [illegible] concrete paving 4.863 mi. F. [illegible] A, 20 ft., to W. L. Thon & [illegible]te, $158,511. Noted Aug. 5.

Michigan—Hy. Dept. at comrs. office, Saginaw, [illegible]ete paving 5.643 mi. F. A. 240, Sect. [illegible]esee Co., to A. Jeffroy, Saginaw, $1[illegible] Noted July 15.

Michigan—Hopperstead, resident engr., Cry[illegible] concrete paving 2.437 mi. T. L[illegible]20 ft., Dickinson Co., to Carlson [illegible]n, Menominee, for State Hy. Dep[illegible]sing. $86,213. Noted Aug. 5.

Mich., Detroit—Berea curbing, 3½ in. sheet asphalt on 8 in. concrete paving Northwestern Highway, and 12 avenues, to Detroit Asphalt Paving Co., 909 Transportation Bldg., $314,183; Orleans Ave., to Cooke Asphalt Paving Co., 1260 Penobscott Bldg., $32,616, Stoepel Ave., to Cleveland Trinidad Paving Co., 402 Hammond Bldg., $16,686, Wildemere Ave., to M. R. Hanna Co., 2700 Six Mile Rd. E., $23,717. Grand total $387,202.

Mich., Detroit—For 3½ sheet asphalt on 8 in. concrete paving Pierce St., and 12 avenues, to Detroit Asphalt Paving Co., 909 Transportation Bldg., $177,063.

Mich., Royal Oak (Ind. br. Detroit)—Concrete paving 4.5 mi. various streets, 20 ft. to R. D. Baker & Co., 1454 Penobscott Bldg., Detroit, $181,389.

Ill., Geneseo—Grading, curbing and concrete paving 6 blocks various streets, to Trompeter & Sons, Peru, approximately $27,000.

Ill., Moline—Grading, curbing, guttering and hardsurfacing portion 27th St., to W. D. Phelan, Davenport, Ia. Engrs. est. $50,000.

Wisconsin—State Hy. Comn., at Office of, 213 South Barstow St., Eau Claire, grading and concrete paving, etc., Federal Aid Projects 370-C and D, to A. Larson & Co., Eau Claire, $198,806. Noted July 15.

Wisconsin—State Hy. Comn. and Comrs. Monroe Co., La Crosse, grading, etc., 30,495 cu.yd. Project 5847, to Nelson-Mullen, Nelson, 355 Temple Court Bldg., Minneapolis, Minn., $28,568.

Wisconsin—State Hy. Comn., Madison, grading, concrete paving, etc. 24,663 sq.yd. Spring Green-Dodgeville-Mineral Point Rd., Project 411-B, to O'Dea & Shafer, Madison, $133,101.

Wisconsin — State Hy. Comn., Madison, amiesite paving Florence East Rd., Part 1, Project 426-A, Florence Co., to Garvey & Weyenberg Constr. Co., Appleton, $25,514.

Wis., Milwaukee—W. J. Cary, clk. Milwaukee Co., warrenite bitulithic on concrete widening, etc., 2.75 mi. Fond du Lac Rd., to Badger Constr. Co., 97 Wisconsin St., $115,186.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., vibrolithic concrete paving Dakota St., 1st and 9th Aves., to Czerwinski Constr. Co., 816 Clinton St. $30,586, and 27th St., to Reid & Mahlberg, 818 Lake Blvd. $92,759; vibrolithic concrete paving Center St. and concrete paving 1 alley, to A. E. Retzlaff, 868 Island Ave. $35,367; concrete paving 1 alley, to Schwerm Bros., 50 Lee St. $3,224, 1 alley, to Parkinson Constr. Co., 322 27th St. $3,911, 2 alleys, to J. C. Bluhm & Son, 1298 Achilles Pl. $696, and 1 alley, to Bodemann Constr. Co., 691 48th St. $3,120. Grand total $169,960.

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Streets and Roads (Continued)

Ia., **Adel**—Dallas Co., to H. Moody, Perry, improving Dists. 24, 58 and 60, 21,345 cu.yd. gravel 1 mi. haul at $0.26 and $0.28 per cu.yd., and 200,680 cu. yd. ½ mi. haul at $0.07 and $0.07, to M. Munson, Boone, Dist. 57, 8,580 cu.yd. 1 mi. haul $0.28, 25,625 units ½ mi. haul $0.07, etc. Noted July 8.

Ia., **Allison** — Butler Co., grading, etc., 25,447 cu.yd. excav. Federal Aid Project 274-C, to L. O. Kimball, Clear Lake, at $0.26 per cu.yd.

Ia., **Cedar Rapids**—Grading, curbing, guttering, asphaltic concrete paving, etc., portions 14 various streets and avenues, to F. P. Smith, Cedar Rapids, $38,577; grading, curbing, guttering and asphaltic concrete paving 11,402 sq.yd. streets, to Ford Paving Co., 210 2d Ave. $31,323, portions various streets, to Hahn Constr. Co., 106½ 2nd Ave., $26,299; guttering and sewers in various streets, to Sanitary Constr. & Supply Co., 116 2nd Ave., $1,205. Grand total $95,404. Noted July 15.

Ia., **Cedar Rapids**—Linn Co., to Longerbone Bros., Marks Bldg., Des Moines, improving road, 125,695 cu. yd. excav. at $0.295 per cu.yd. 890 cu.yd. $0.35, 4,779 cu.yd. solid rock excav. $190, 1,213 ft. loose rock $0.90, 154,461 sta. yd. overhaul $0.02, etc., Noted July 8.

Ia., **Charles City** — Floyd Co., grading, etc., 8.905 mi. Federal Aid Project 279, and 3.405 mi. Federal Aid Project 271, to L. O. Kimball, Clear Lake, $28,594 and $9,656 respectively. Noted July 15.

Ia., **Cherokee**—Cherokee Co., to Schohorn & Hartsell, Early, improving roads, 22,978 cu.yd. excav. at $0.245 per cu.yd., 9,042 cu.yd. $0.25, 268 ft. culvert labor $0.30, etc.

Ia., **Dakotah**—Humboldt Co., to M. O. Weaver, Iowa Falls, improving Dist. 10, 11,600 cu.yd. gravel at $0.26 and $0.35 per cu.yd., 105,700 units ½ mi. haul $0.65, etc.

Ia., **Decorah**—Winneshiek Co., grading, graveling, etc., 26.72 mi. Primary Project 121-F, Federal Aid Projects 284, 98-A and 98-C, 43,775 cu.yd. gravel and crushed stone, 128,210 sta.yd. ½ mi. haul, 15,300 cu.yd. stripping, etc., to M. O. Weaver, Iowa Falls, $51,487.

Ia., **Dubuque** — Dubuque Co., paving 15.253 mi. Federal Aid Projects 296 and 301, to Harrison Eng. & Contg. Co., 506 Mutual Bldg., Kansas City, Mo., $454,000.

Ia., **Estherville**—Emmet Co., gravel, surfacing, etc., 22,650 cu.yd. Roads 6, 7, 32, 38, 39, 23 and 24, to Huff & Winff, Armstrong, $22,110. Noted July 1.

Ia., **Grinnell**—To R. B. Slippy Eng. Co., 406 Lafayette Bldg., Waterloo, improving various streets, 21,500 sq.yd. bituminous surfacing at $0.31 per sq.yd., 350 sq.yd. rein.-con. $2.48, 286 ft. curb and gutter $1, etc.

Ia., **Independence** — Buchanan Co., to Swanson Constr. Co., Keokuk, improving Federal Aid Project 262, 47,566 cu.yd. excav. at $0.254 per cu.yd., 19,800 cu.yd. overhaul $0.02, etc.

Ia., **Keosauqua**—Van Buren Co., to Longerbone Bros., Marks Bldg., Des Moines improving Federal Aid Project 22, 236,845 cu.yd. excav. at $0.25 per cu.yd., 6,490 cu.yd. excav. $0.50, etc.

Ia., **Newton**—Jasper Co., grading, etc., and concrete paving 53,528 sq.yd. Primary Road 7, west of here, to O'Rourke Constr. Co., Des Moines, $137,656; and 53,100 sq.yd. same road, east of here, to Anderson & Empie, Marshalltown, $131,917. Noted July 8.

Ia., **Northwood** — Worth Co., to J. J. Boyette, Kensett, improving road, 14,612 cu.yd. earth excav. at $0.232 per cu.yd., 200 cu.yd. loose rock $0.25, and 1,201 ft. culvert labor $0.25; to C. Yost, Bristow, 2,600 cu.yd. gravel 1 mi. haul $0.44, and 26,045 yd. ½ mi. haul $0.08.

Ia., **Osage**—Mitchell Co., to L. O. Kimball, Clear Lake, improving road, 50,584 cu.yd. excav. at $0.28 per cu. yd., 1,813 cu.yd. loose rock excav. $1.20, and 2,946 cu.yd. solid rock excav. $1.20, etc.

Ia., **Rockwell City**—Calhoun Co., to Hartman & Peterson, Laurens, improving Projects S-73 and S-90, 48,714 cu.yd. excav. at $0.248 per cu.yd., 1,200 cu.yd. loose rock $0.50, etc.

Minnesota — State Hy. Dept., St. Paul, grading, etc. 75,000 cu.yd. State Project 69-22, Sect. 1, Federal Aid Project 339-B, tentatively to C. Weaver, Anoka, $25,923.

Minn., St. Paul—G. J. Ries, aud. Ramsey Co., grading and one course concrete paving, etc., 12,608 sq.yd. Project 2607, to Thornton Bros., 318 Endicott Bldg., $30,280.

Neb., **Wisner**—W. Armstrong, city clk., concrete paving, etc., 12,090 sq.yd. various streets, to A. A. Dobson Co., 824 1st Natl. Bank Bldg., Lincoln, $51,640. Engrs. est. $55,000.

Mo., Kansas City—Park Bd. bituminous macadam repaving, etc., 9,200 sq.yd. Admiral Blvd., to McTernab & Halpin, Swope Parkway and South Benton Sts., $27,048.

Texas — Anderson Co. (Palestine) and Freestone Co. (Fairfield), 2,310 ft. graded earth approach to bridge across Trinity River on Highway 43, between above counties, to J. G. Ballenger, San Benito, $26,549. Noted Aug. 5 under "Palestine."

Tex., Anderson — Grimes Co., grading, bridging, etc., 8.8 mi. Highway 90, State Aid Project 610-D, to Johnson Bros., 101 Sparks Ave., Austin, $64,128. Engrs. est. $73,700. Noted June 24.

Tex., Atlanta—Permanent paving various streets, to Tibbbets Constr. Co., Joseph Bldg., Ft. Worth, $45,895. Noted July 8.

Tex., Big Lake — Brick paving various streets, to Thurber Constr. Co., F & M Bank Bldg., Ft. Worth, approximately $53,000. Noted July 8.

Tex., Corsicana—Permanent paving 60 blocks South 14th St. and North 25th Sts., etc., to F. P. McElwrath, Corsicana, approximately $109,000.

Tex., Eastland — Clearing, grubbing, grading, bridging, etc., 9.924 mi. Highway 23, State Aid Project 655-B, to C. H. Van Eman, Cisco, $42,231. Engrs. est. $50,000.

Tex., Eastland—Grading 3.689 mi. Highway 23, State Aid Project 655-A, 26 ft., to McClung Constr. Co., F. & M. Bank Bldg., Ft. Worth, $49,157; bridging, etc., same road, to Crouch & Noland, Strawn, $40,-351. Engrs. est. $138,000.

Tex., Ft. Worth — Warrenite bitulithic paving West 7th St. from Lamar to Van Zandt Viaduct, to West Texas Constr. Co., Cotton Exchange Bldg., $44,100. Engrs. est. $47,000.

Okla., Guthrie—Grading and concrete paving 4,650 sq.yd. Pine and Perkins Sts., to B. Brooks, Tonkawa, $26,114. Engrs. est. $26,600.

Okla., Oklahoma City—Grading, curbing and sheet asphalt paving 6,400 sq.yd. 17th and Virginia Aves., to Western Paving Co., Tradesmens Bldg., Oklahoma City, $36,471. Engrs. est. $37,201.

Okla., Prague—Grading and concrete paving 12,200 sq.yd. Bway., to E. H. Locher, Amer. Bank Bldg., Okmulgee, $34,219. Engrs. est. $39,900. Noted July 22.

Okla., Wewoka—Grading and concrete paving 7,650 sq.yd. streets in Dist. 6, to Wiggins & Co., Hershowitz Bldg., Oklahoma City, $30,432 Engrs. est. $30,712. Noted July 22.

Wash., Seattle—Bd. Pub. Wks., grading, etc., 20,600 cu.yd. Hamlet Ave., to Paduano & Crisman, 1546 12th St. S., $42,863; 6 in. concrete paving, etc., 15,220 sq.yd. Jones Ave. N. W., to J. B. Covello, 1510 16th St. S., $33,506; and grading, 7 in. concrete paving, etc., 26,400 sq.yd. Renton Ave., et al, to Goetz & Brennan, Seaboard Bldg., $139,-791. Grand total $216,160. Noted Aug. 5.

Wash., Walla Walla — Commissioners Walla Walla Co., grading and 22 ft. concrete paving, etc., 5.36 mi. Permanent Highway 31, to March Constr. Co., Spokane, $40,305. Engrs. est. $42,846.

Calif., Alhambra—Grading and concrete paving, etc., 542,077 sq.ft. Hellman Ave., to Hall-Johnson Co., 905 Westminster St., $140,683. Noted July 29.

Calif., El Centro—Supervs. Imperial Co., macadam paving 38 mi. roads in southern section, 18 ft., to Wells & Bressler, Santa Ana, $584,000. Noted June 24.

Calif., Los Angeles—Curbing, sidewalks, asphalt and concrete paving Texas Ave. between Westgate and Centinela Aves., to Los Angeles Paving Co., 3200 East Vernon Ave., $181,916; also Micheltorena and Angus Sts., to Chalmers & Ford, H. W. Hellman Bldg., $77,121.

Calif., Los Angeles — Grading, curbing, sidewalks, concrete paving, etc., June St. between Melrose and Rosewood Aves., to Chalmers & Ford, H. W. Hellman Bldg., $70,314.

Calif., Los Angeles—Sidewalks, asphalt paving, etc., Bway. betwen Manchester Ave. and 93rd St., to Curtis Paving Co., 2440 East 26th St., $110,902. Noted July 15.

Calif., Los Angeles—Los Angeles Co., to Griffith Co., Railway Bldg., 8 in. concrete paving, etc. 148,679 sq.ft. Atlantic Ave., Co. impvt. 72 $131,155, 148,010 sq.ft. Easy St., Co. Impvt. 251 $31,202, and 156,427 sq.ft. Hawthorne Ave., Co. Impvt. 387 $44,-047. Grand total $206,404.

Calif., Oakland—Grading, curbing, guttering, and asphalt paving 82nd Ave. and portions Jones St., to Calif. Constr. Co., 58 2nd St., San Francisco, $29,581 and $55,320 respectively.

Calif., Oakland—Grading, curbing, sidewalks, asphalt paving, etc., Plymouth St. between 80th and 90th Aves., to California Constr. Co., 58 2nd St., $29,421. Noted July 8.

Calif., Salinas — Salinas Co., 4 in. hydrated concrete paving, etc., Clay, Auburn and Riker Sts., to W. A. Dontanville, Salinas, $28,815. Noted May 6.

Calif., San Rafael—Marin Co., grading and rock surfacing 10,000 yd. Marshall to Fallon Rd., to J. Currie, 1100 Peninsula Ave., Burlingame, $59,000. Noted Aug. 5.

Ontario—Brant Co. will pave with concrete highway between Brantford and Port Dover, $83,000; improve gravel highways in Norwich $21,000, Brantford to Galt $23,-000, and Caledonia $13,700, by day labor, under supervision of A. M. Jackson, engr., County Bldgs. Grand total $140,700.

Ont., Leaside—A. T. Lawson, sheet asphalt paving 7,000 sq.yd. various streets, to Ontario Amiesite Co., Lumsden Bldg., Toronto; concrete base, to Grant Contg. Co., 47 Wellington St. E., Toronto. Engrs. est. $35,000. Noted June 17.

Ont., Port Hope—M. M. Ferguson, engr., Town Hall, concrete curbing, guttering, asphalt on concrete paving 24,000 sq.yd. various streets, to Ontario Amiesite Co., Lumsden Bldg., Toronto. Engrs. est. $100,000.

Ont., Toronto—Asphalt surfacing Argyle St., to Godson Contg. Co., 203 Richmond St. W. $3,157; bitulithic on concrete paving Errington Ave., to Asphaltic Concrete Co., Excelsior Life Bldg., $8,281; asphalt on concrete paving Grange Ave., to Constr. & Paving Co., Confederation Life Bldg. $2,490, Poplar Plains Rd., Edgewood Grove, and Day Ave., bitulithic on concrete paving Leone Ave. and Ridge Dr., and asphalt surfacing Grange Ave., to City Wks. Dept., by day labor under supervision R. C. Harris, engr., $36,334. Grand total $50,262.

Ont., Toronto—York Twp., asphalt on concrete paving Ossington Ave., to Kilmer & Barber, 10 Adelaide St. E. $46,437; and High St. and Silverthorn Ave., to Constructing & Paving Co., Ltd., Confederation Life Bldg., $38,884; bitulithic on concrete paving Lauder and Pinewood Aves., to Warren Bituminous Paving Co., 54 University Ave., $54,462; concrete sidewalks on Keywest, and Wetherall Aves., to T. Strong, 114 Cedric Ave. $966, and on Glenora, Silverthorn, and Blackthorn Aves., to Dept. Pub. Wks., by day labor, $4,984. Grand total $145,733. Noted July 15.

Ont., Toronto — York Twp., asphalt on concrete paving Blackthorn Ave., to Godson Contr. Co., 203 Richmond St. W. $5,728, McRoberts Ave., to Constructing & Paving Co., Confederation Life Bldg. $18,432, and Eversfield Rd., to Kilmer & Barber, 10 Adelaide St. E. $15,122; bitulithic on concrete paving Atlas, Robina, Blandford, and Rockvale Aves., to Warren Bituminous Paving Co., 54 University Ave., $51,219. Grand total $90,611.

Ont., Waterloo—L. F. Dietrich, chn. Bd. Wks., curbing, guttering, asphalt on concrete paving 5,000 sq.yd. various streets, to Standard Paving Co., Central Chambers, Ottawa; concrete paving 1,300 sq.yd., to P. Bergman, Waterloo. Engrs. est. $30,000. Noted June 3.

B. C., Bridge River—British Columbia Electric Ry. Co., 425 Carroll St., Vancouver, clearing, grading, graveling 8½ mi. road from Bridge River to Power Tunnel Site, to Pacific Engineers Ltd., 744 Hastings St. W., Vancouver, $75,000.

B. C., Vancouver—Asphaltic concrete paving various streets, to A. B. Palmer & Co. Ltd., 736 Granville St., $104,961. Noted Aug. 5.

Buildings—Commercial

Proposed Work

Me., Lewiston—APARTMENT—Higgins Bros., 363 Maine St., having preliminary plans prepared by H. S. Coombs, 11 Lisbon St., 4 story and basement, brick apartment. $150,000.

Me., Portland—HOSPITAL—Maine General Hospital having plans prepared by J. C. and J. H. Stevens, 477 Congress St., hospital addition. $200,000.

Mass., Boston — APARTMENTS — M. Sborowsky, 20 Seaver St., Roxbury, having plans prepared by Winebaum & Wexler, 73 Cornhill, four 3 story and basement, 35 x 80 ft., brick and stone, plain foundations, 516-534 Blue Hill Ave., here. $250,000.

Mass., Boston—STORE nad OFFICE—S. Lebowich, 1 State St., having preliminary plans prepared by R. H. Doane, 162 Newbury St., 4 story, brick and stone, 219-21 Washington St. $150,000.

Mass., Lowell—STORE—A. G. Pollard Co., 144 Merrimack St., having plans prepared by H. L. Rourke, Hildreth Bldg., 3

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Buildings—Commercial (Continued)

story, 75 x 150 ft., brick and steel, Merrimack St. $150,000.

Mass., Northampton—APARTMENT—H. C. Hearne, archt., 1387 Main St., Springfield, making sketches 3 or more story and basement, apartment, here. $150,000. Owner's name withheld.

Mass., Somerville (Boston P. O.) — HOME—Somerville Home for Aged, J. M. Webster, chn. building com., having preliminary plans prepared by C. M. Baker, 25 Arch St., Boston, 3 story and basement, brick, 117 Summer St. $150,000. Noted July 8.

R. I., Pawtucket — DORMITORY — Memorial Hospital, c/o R. C. N. Monahan, 155 Main St., having plans prepared 3 story and basement, brick and stone, Pond St. $150,000.

Conn., Hartford — STORE and APARTMENT—J. M. Howard, 55 Canterbury St., had plans prepared by Berenson & Moses, 30 Allyn St., 3 story, 98 x 110 ft., brick and steel, Albany Ave. and Center St. $150,000.

N. Y., Brooklyn—THEATRE—I. Katz, c/o H. G. Wiseman, archt., 25 West 43rd St., New York City, soon takes bids 1 story, brick, steel and stone, plain foundation, 3194 Fulton St., here. $200,000.

N. Y., Jamaica—APARTMENT—Loshen Bros., c/o Shampan & Shampan, archts., 188 Montague St., Brooklyn, having plans prepared 6 story, brick, steel and stone, plain foundation, 89th Ave., here. $400,000.

N. Y., New York—APARTMENT—Elwin Realty Co., c/o C. Kreymborg & Son, 2534 Marion Ave., having plans prepared 6 story, 100 x 114 ft., brick, steel and stone, plain foundation, Gun Hill Rd. $225,000.

N. Y., New York — APARTMENT — H. Guer Constr. Co., c/o C. Kremborg & Son, archts., 2534 Marion Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, Decatur Ave. $170,000.

N. Y., New York—APARTMENT—Simon & Hartstein, c/o E. Roth, archt., 119 West 40th St., having plans prepared 15 story, brick, steel and stone, plain foundation, Lexington Ave. and 63rd St. $3,000,000. D. M. Iltarsh, 36 West 44th St., engr.

N. Y., New York — APARTMENT — Owner, c/o I. S. Crausman, archt., 370 East 149th St., having plans prepared 6 story, 115 x 123 ft., brick, steel and stone, plain foundation, Adee Ave. $250,000.

N. Y., New York—APARTMENT—S. B. Steinmentz & Son Co., c/o Moore, & Landseidel, archts., 148th St. and 3rd Ave., having plans prepared 6 story, 115 x 150 ft. brick, steel and stone, plain foundation, 186th St. and Wadsworth Ave. $375,000.

N. Y., New York — APARTMENT — Plimpton Estates, Inc., c/o Lang & Rosenberg, archts., 1440 Bway., having plans prepared 6 story, brick, steel and stone, plain foundation, 176th St. and Grand Ave. $275,000.

N. Y., New York—APARTMENT—Two Hundredth Street Corp., c/o G. G. Miller, archt., 1482 Bway., having plans prepared 6 story, brick, steel and stone, plain foundation, Bedford Park Blvd. $185,000.

N. Y., New York—ARMORY—Armory Bd., Municipal Bldg., soon takes bids altering brick, steel and stone, Franklin Ave. and 165th St. $300,000. B. W. Levitan, 100 East 42nd St., archt. Noted July 1.

N. Y., New York — HOTEL — Sojour Realty Corp., J. Silver, pres., c/o Deutsch & Schneider, archts. and engrs., 35 Maiden Lane, having plans prepared 20 story, brick, steel and stone, plain foundation, 351 West 42nd St. $1,500,000.

N. Y., New York—OFFICE—Seventy-Four 2nd Ave. Corp., S. Augenblick, pres., c/o M. Zipkes, archt., 25 West 43rd St., having plans prepared 14 story, brick, steel and stone, plain foundation, Lafayette and Walker Sts. $1,000,000.

N. J., Jersey City—APARTMENT—The 2801 Boulevard Co., B. Carminsky, pres., c/o Shape, Bready & Peterkin, archts. and engrs., 285 Madison Ave., New York City, having plans prepared 5 story, brick, steel and stone, plain foundation, Hudson and Sip Aves. $750,000.

North Carolina—HOTEL—Pinehurst, Inc., c/o L. Tufts, Pinehurst, plans (1st unit) hotel between Southern Pines and Pinehurst, $250,000. Total $500,000.

N. C., Asheville—APARTMENT—Shirley Investment Co., Greensboro, purchased 3 acre site and plans apartment in Grove Park. $250,000.

N. C., Chimney Rock—DWELLINGS—Yarrow Constr. Co., Asheville, purchased

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residential tract and plans 50 brick, frame and stucco homes at Lake Lure, here. $750,000.

N. C., Kinston—HOTEL—Syndicate, H. C. Hines, chn. Executive Hotel Com., plans 10 story and basement hotel. $350,000 funds raised.

N. C., Raleigh—WAREHOUSE—W. S. Murchison, 1600 Fayetteville St., plans 4 story, 93 x 270 ft., warehouse, Hillsboro St.

Ga., Atlanta—HOTEL—W. H. Davis Co., Candler Bldg., having plans prepared by G. L. Preacher & Co., Wynne Claughton Bldg., 3 story, 50 room hotel addition. $150,000.

Tenn., Nashville — GARAGE — National Garages plan garage. $500,000.

Tenn., Jackson—HOTEL—Committee, A. B. Foust, chn., having plans prepared by Daugherty & Gardner, Cotton Life Bldg., Nashville, 132 room hotel, Lafayette and Cumberland Sts. $300,000.

O., Dayton — HOTEL — Wilbur Wright Hotel Co., c/o Schenk & Williams, archts., having plans prepared 14 story and basement, 100 x 200 ft., rein.-con. and brick, 2nd and Ludlow Sts. $2,500,000.

O., Hamilton—HOSPITAL—City plans 6 story and basement, brick, steel and rein.-con., plain foundation. $500,000. A. Wood, 3513 Woodward Ave., Detroit, Mich., archt.

O., Massillon—HOTEL—C. E. Nickles plans 5 story and basement, 40 x 115 ft. hotel, Main and Plum Sts. $500,000.

O., Massillon—STORE and OFFICE—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., plans 3 story and basement, 61 x 120 ft., store and office building, 1011 West Main St., here. $150,000.

O., Orient—COTTAGES—J. E. Harper, dir. Dept. Welfare, Oak and 9th Sts., Columbus, having plans prepared by H. D. Briggs, Ohio-Hartman Bldg., Columbus, two 2 story and basement, 70 x 135 ft., brick, steel and rein.-con. cottages for Feeble Minded Institution, here. $250,000.

Mich., Dearborn—APARTMENT—Owner, c/o J. Gwizdowski, archt., 2294 Forest Ave., Detroit, having plans prepared 4 story and basement, brick, steel and stone, plain foundation, incl. steam heating equipment, oil burner, $400,000.

Mich., Detroit—HOSPITAL—Owner, c/o J. Gwizdowski, archt., 2294 Forest Ave., having plans prepared 2 story and basement, 55 x 100 ft., rein.-con., brick and steel private hospital, plain foundation, incl. steam heating equipment, McDougall Ave. $150,000.

Mich., Detroit—OFFICE—J. J. Barlum, Barlum Bldg., had plans prepared by Bonnah & Chaffee, 300 Barlum Bldg., and soon takes bids 35 story and basement, 100 x 100 ft., rein.-con., brick, steel and terra cotta, incl. elevators, and steam heating system, Cadillac Sq.

Ill., Chicago—APARTMENT—Syndicate, c/o B. L. Steif & Co., archts., 307 North Michigan Ave., having plans prepared 12 story, 200 x 300 ft., Grace St. and Sheridan Dr. $2,000,000.

Ill., Chicago—APARTMENT—H. Zisook, 1209 East 55th St., will not construct 12 story, 150 x 150 ft. apartment house, 5230-44 Sheridan Rd. $3,000,000. Project abandoned. Noted Mar. 25.

Ill., Chicago — CLUB — Casa Del Mar Club, c/o K. M. Vitzthum & Co., archts., 307 North Michigan Ave., having sketches made 16 story and basement club building, 74th St. and South Shore Dr. $2,000,000.

Ill., Chicago — FIELD HOUSE — South Park Comrs., 57th St. and Cottage Grove Ave., had plans prepared by L. White, 57th St. and Cottage Grove Ave., and soon takes bids 1 story, 160 x 230 ft., concrete, incl. gymnasium, shower baths, etc., Gage Park at 55th St. and Western Ave. $350,000.

Wis., Kenosha—THEATRE, STORE, etc. —Bain Wagon Co., Main St., having preliminary plans prepared by Wolff & Ramsthal, 453 Mitchell St., Milwaukee, 4 story and basement, 90 x 178 x 190 ft., brick, concrete and terra cotta store, office and dance hall, plain foundation, Main St. $500,000.

Wis., Madison—CLUB—Aug. 18, by J. L. Kronenberg, archt., Carroll Blk., 3 story and basement, 74 x 120 ft., rein.-con., brick and steel, plain foundation, Doty St., for Fraternal Order Eagles, Aerie 632, E. F. Bunn, secy., 322 West Wilson Ave. $150,000. Noted May 20.

Ia., Sioux City — THEATRE, STORE and OFFICE—A. Sanford, c/o Iowa Loan & Investment Co., 1200 State Lake Bldg., takes bids in early fall, 8 story and basement, 140 x 200 ft., rein.-con., steel and terra cotta, 6th and Pierce Sts. $1,000,000. C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., archts.

Ia., Waterloo — THEATRE — Badger Building Serv., 445 Milwaukee St., Milwaukee, Wis., having plans prepared by Pereacock & Frank, 445 Milwaukee St., Milwaukee, Wis., 4 story and basement, 90 x 200 ft., rein.-con., brick, steel and stone theatre, here. $500,000.

Neb., Norfolk—THEATRE, STORE and OFFICE—J. Koenigstein, 1204 Norfolk Ave., had plans prepared by G. M. McCracken, associated archt., and E. E. Watson, both Parish Bldg., 2 story and basement, brick and terra cotta, plain foundation, 5th and Norfolk Aves. $150,000.

Mo., Clayton — APARTMENT — Davis Realty Co., 1101 Locust St., St. Louis, takes bids in fall, 3 story and basement, brick, concrete, stone, stucco and tile, Davis Gardens. $150,000. Maritz & Young, Chemical Bldg., St. Louis, archts. Noted Dec. 3.

Mo., Columbia — CITY HALL — Election soon $350,000 bonds, city hall.

Mo., Independence — COURT HOUSE — Jackson Co. defeated $390,000 bonds, court house. Noted July 1.

Mo., Kansas City — COURT HOUSE — Defeated $390,000 bonds, court house. Noted July 1.

Mo., Kansas City—HOSPITAL—Jackson Co. defeated $250,000 bonds, hospital.

Mo., Kansas City—JAIL—Jackson Co. defeated $400,000 bonds, addition to jail.

Mo., Kansas City — OFFICE — Security Building Co., Security Bldg., plans 5 story, rein.-con., brick and terra cotta top addition, 10th and Main Sts. To exceed $150,000. Engineer and architect not selected.

Mo., Kansas City—THEATRE—Everett Hotel & Theatre Enterprise, 1103 Waldheim Bldg., having preliminary plans prepared by Beske & DeFoe, 1705 Baltimore St., 2 story and basement, 130 x 150 ft., Spanish design theatre, here. $200,000.

Mo., Kansas City—THEATRE and OFFICE—Aug. 7, by Midland Theatre & Realty Co., 20 East 14th St., 12 story and basement, 121 x 255 ft., rein.-con., brick, steel and terra cotta, 13th and Baltimore Sts. T. W. Lamb, 644 8th Ave., New York City, N. Y., archt. Boller Bros., 110 West 10th St., associated archts. Noted May 13.

Mo., Louisiana—HOSPITAL—Otis Smith Hospital Assn., c/o C. G. Buffum, pres., plans 3 story, brick, concrete and stone hospital, here, for Pike Co. $150,000.

Mo., St. Louis — EXCHANGE — Southwestern Bell Telephone Co., Boatmen's Bank Bldg., will not construct 2 story and basement, 110 x 137 ft., rein.-con., brick and stone, Hamilton and Natural Bridge Sts. $250,000. Project postponed indefinitely. I. R. Timlin, c/o owner, architect. Noted July 22.

Mo., St. Louis—GARAGE—F. H. Fitch, 3800 Baltimore Ave., Kansas City, having preliminary plans prepared by W. R. Bovard, 908 Orear-Leslie Bldg., 3 or more story, 130 x 133 ft., concrete, steel and brick, concrete foundation, 9th and Walnut Sts.

Mo., St. Louis—OFFICE—Central States Life Insurance Co., 3207 Washington Blvd., takes bids in fall, remodeling 3 story and basement, 150 x 200 ft., club house into office building, Lindell Blvd. $150,000. T. P. Barnett Co., Arcade Bldg., archts. Noted June 24.

Mo., St. Louis—WAREHOUSE—Ralston Purina Co., 827 South 8th St., takes bids about Aug. 9, 6 and 9 story, 56 x 130 ft., rein.-con. warehouse, incl. meal elevator, 827 South 8th St. $350,000-$375,000. J. J. Hettelsster Constr. Co., 70 Mutual Bldg., archts.

Tex., Lubbock—SANITARIUM—Lubbock Sanitarium, c/o M. C. Overton, doctor, plans 3 story part basement brick and rein.-con. addition. $150,000. Engineer and architect not selected.

Tex., Mexia — CITY HALL and AUDITORIUM—Voted $160,000 bonds, city hall and auditorium. Address J. Smith, mayor. Noted July 1.

Tex., Paducah—COURT HOUSE—Cottle Co., c/o J. M. Whatley, judge, voted $150,000 bonds, new courthouse. Noted July 8.

Tex., San Angelo—BANK and OFFICE—San Angelo Natl. Bank, c/o M. L. Mertz, having preliminary plans prepared 4 or more story, rein.-con., brick and stone, plain foundation, incl. elevator. $250,000 or more.

Tex., San Antonio—HOTEL—Commercial Realty Investment, c/o C. Millard, 238 W. Huiscahe St., having preliminary plans prepared brick, Jefferson and East Travis Sts. $250,000 or more. Engineer and architect, selected soon.

Buildings—Commercial (Continued)

Tex., San Antonio—THEATRE—Loew's, Inc., 1540 Bway., New York City, N. Y., having plans prepared by T. W. Lamb, 644 8th Ave., New York City, N. Y., theatre, 3,500 seating capacity, here. $1,500,000. Noted Feb. 25.

Okla., Tulsa—OFFICE—H. C. Tyrell, Mid Continent Bldg., having plans prepared 10 story and basement, 110 x 140 ft. office building, 5th and Bolder Sts. $600,000.

Wash., Seattle—OFFICE—A. McQuaker, archt., Melhorn Bldg., takes bids about Aug. 26, 3 story and basement, 120 x 126 ft., concrete, brick and stone, incl. 2 electric elevators, 6th and Pine Sts., for J. K. McDowell, c/o architect. $170,000.

Ore., Portland—APARTMENT—Bennes & Herzog, archts., Chamber of Commerce Bldg., preparing plans 6 or 7 story, 75 x 75 ft. apartment, 41st St. and Sandy Blvd. $150,000. Owners name withheld.

Calif., La Jolla—YACHT CLUB—R. B. Stacy-Judd, archts., 6030 Hollywood Blvd., Los Angeles, preparing plans club building, here. $1,000,000. Owner's name withheld.

Calif., Los Angeles—GARAGE—Chapman Bros. Co., c/o R. R. Orr, archt., Corp. Bldg., had plans prepared 6 story and basement, 90 x 275 ft., rein.-con., West 6th St. Noted July 2, 1925.

Calif., Los Angeles—OFFICE and LOFT—J. Steinberg, 134 South Van Nuys St., having plans prepared by Curlett & Beelman, 408 Union Bank Bldg., 12 story and 2 basements, 123 x 161 ft., rein.-con., cast stone or terra cotta, Los Angeles St. $600,000.

Calif., Oakland—MEMORIAL—Alameda Co having plans prepared by H. H. Meyers, Kohl Bldg., San Francisco, 2 story and basement veterans memorial building, concrete, artificial stone and terra cotta. $250,000.

Calif., Pasadena—AUDITORIUM—Plans election $1,250,000 bonds, municipal auditorium.

Calif., Santa Barbara — HOTEL — Biltmore Hotel Corp., c/o B. G. McDougall, archt., 292 Sacramento St., San Francisco, plans hotel, here. $2,000,000.

Calif., Santa Monica—CLUB—Sea Breeze Holding Co., had sketches made by G. Verge, 700 Pet. Sec. Bldg., Los Angeles, 3 story and basement, 82 x 240 ft., rein.-con., incl. swimming pool. To exceed $150,000.

Calif., Santa Monica—STORE and OFFICE—Mutual Shares Properties, Inc., c/o M. E. Durfee, archt., Commercial Exch. Bldg., Los Angeles, having preliminary plans prepared 12 story and basement, 100 x 150 ft., rein.-con., 3rd St.

Calif., Venice—CLUB—Las Olas Beach Club had preliminary plans prepared by Marston, Van Pelt & Maybury, 25 South Euclid Ave., Pasadena, 8 story, concrete and steel, incl. swimming pool and garage, near here. $550,000.

Ont., Toronto—THEATRE—N. G. Reynolds, Merrick St., had plans prepared by R. Card, 142 Chester St., 2 and 3 story and basement, rein.-con., brick and steel, plain foundation, incl. steam heat, plumbing, etc., Runnymede and Bloor Sts. $250,000.

B. C., Vancouver—GARAGE—Allan & Boultbie, 578 Seymour St., having plans prepared by Sharp & Thompson, 708 London Bldg., 6 story, 120 x 150 ft., rein.-con., terra cotta and stucco, plain foundation, Georgia and Seymour Sts. $220,000.

Bids Desired

Mass., Cambridge (Boston P. O.) — STORE and OFFICE — See "Contracts Awarded."

Mass., Malden (Boston P. O.) — POST OFFICE—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—LOFT—See "Contracts Awarded."

N. J., Atlantic City—HOTEL—Aug. 13, by Gondos Co., 800 North 10th St., Reading, Pa., 7 story and basement, 50 x 180 ft., rein.-con., brick and stone, plain foundation, Kentucky Ave., here, for Jefferson Hotel, c/o architects.

N. J., Moorestown—BANK—Aug. 20, by Burlington County Trust Co., 2 story and basement, 59 x 93 ft., rein.-con. and stone, plain foundation. Simon & Simon, 249 South Juniper St., Phila., Pa., archts. Noted Feb. 11.

Pa., Phila. — THEATRE, STORE and APARTMENT — Aug. 16, by Hoffman-Henon Co., archts., Finance Bldg., 2 story and basement, 97 x 228 ft., rein.-con., brick and steel, plain foundation, 848 Arlington Ave., for Stanley Co. of America, 1916 Race St.

N. C., Charlotte—MOSQUE—Sept. 1, by Bd. Directors Oasis Temple, Inc., W. S. Liddell, secy., stone mosque, 80 ft. high 3,000 seating capacity, East Morehead St. $500,000. White, Streeter & Chamberlain, Gastonia, archts.

Mich., Detroit—THEATRE and OFFICE—Garstecki & Waier, archts., 403 Hoffman Bldg., taking bids and open same about Aug. 13, 2 story and basement, 100 x 250 ft., rein.-con., brick and steel, plain foundatino, incl. dance hall, bowling alleys, and steam heating equipment, Harper Ave., for J. N. Hogan, c/o architects. $250,000.

Ill., Champaign — APARTMENT — See "Contracts Awarded."

Ill., Chicago—APARTMENT—Aug. 15, by B. L. Steif & Co., archts., 307 North Michigan Ave., 11 story and basement, 75 x 135 ft., rein.-con., brick and stone, incl. 3 elevators and individual electric unit refrigerators, 433 Briar Pl., for Four Hundred Forty-three Briar Building Corp., c/o architects. $600,000.

Ill., Chicago—APARTMENT—Hooper & Janusch, archts., 879 North State St., taking bids 12 and 15 story, 73 x 180 ft., rein.-con., brick, steel and terra cotta, 529 Cornelia Ave., for Leopold & Hicks, 1569 Howard St. $750,000. F. A. Randall, 160 North La Salle St., engr. Noted Jan. 10.

Ill., Chicago — HOSPITAL — Schmidt, Garden & Erickson, archts., 104 South Michigan Ave., taking bids 3 story and basement, 89 x 183 ft., rein.-con., brick and stone addition, 5744 Stoney Island Ave., for Illinois Central R.R. Hospital. Noted July 8.

Ill., Chicago—OFFICE and STORE—Western Broadway Building Corp., 4554 Bway., taking bids 3 story and basement, 68 x 164 ft., rein.-con., brick and terra cotta Bway and Leland Aves. $400,000. W. W. Ahlschlager, 65 East Huron St., archt.

Ill., St. Charles—HOTEL—Aug. 24, by Wolf, Sexton, Harper & Treux, archts., 431 North Michigan Ave., Chicago, general contract 5 story and basement, 123 x 140 ft., rein.-con., brick, steel, tile and terra cotta, here, for Hotel St. Charles. $275,000.

Ia., Mt. Ayr—COURT HOUSE—Aug. 27, by Auditor Ringgold Co., 3 story and basement, 80 x 90 ft., rein.-con., brick and stone, plain foundation. $142,000. Keffer & Jones, Masonic Temple, Des Moines, archts. Noted Aug. 5.

Minn., Duluth — CLINIC — Aug. 20, by W. C. Agnew, archt. and engr., 421 Bradley St., 3 story and basement, rein.-con., brick and tile, plain foundation, 2nd St. and 2nd Ave. W., for Duluth Clinic, Fidelity Bldg. $200,000.

Neb., Lincoln — OFFICE — Aug. 16, by Meginnis & Schaumberd, archts., Lincoln, 12 story and basement, 80 x 87 ft., brick, rein.-con. and stone or terra cotta, 13th and N Sts., for Federal Securities Co.

Neb., Omaha—THEATRE—Aug. 16, by Orpheum Circuit, c/o M. Singer, gen. mgr., 1301 Madison Park, Chicago, Ill., 6 story and basement, 132 x 165 ft., concrete, brick and steel, 15th and Harney Sts., here. $1,000,000. Rapp & Rapp, 1749 Howard St., Chicago, Ill., archts. Noted July 29.

Mo., St. Louis—CIVIL COURTS—Aug. 24, by Bd. Pub. Serv., 208 City Hall, fabricating, delivering and erecting 5,500 tons steel for civil courts building, here for City. $650,000. Municipal Plaza Comn., c/o owner, engr. Noted July 29.

Mo., St. Louis — COMMERCIAL — See "Contracts Awarded."

Okla., Enfaula—COURT HOUSE—Aug. 27, by G. R. Henshaw, clk. McIntosh Co., 3 story and basement, rein.-con. and brick, plain foundation, Main St. $150,000. Layton, Hicks & Forsythe, Natl. Bank Bldg., Oklahoma City, archts. Noted June 10.

Ore., Astoria—HOSPITAL—Aug. 18, by J. E. Wicks, archt., Astoria, 4 story, 85 x 100 ft. hospital, for Evangelical Lutheran Synod. $215,000. Noted May 27.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Bids Received

Mass., South Boston (Boston P. O.) — HOSPITAL — City of Boston, Hospital Health Unit 3, 3 story and basement, 55 x 85 ft., brick, limestone and granite, Dorchester St., here, from I. F. Woodbury & Sons Co., 185 Summer St., Boston, $236,768.

N. Y., New York — PAVILION — Bd. Health, L. I. Harris, pres., 505 Pearl St., Aug. 5, general contract isolation pavilion on grounds Willard Parker Hospital, foot East 16th St., from Eastern Constr. Co., 110 West 20th St., $137,000. Noted July 22.

Mich., Plymouth—WOMANS PRISON—Detroit House of Correction, 1441 Alfred St., Detroit, group rein.-con., brick and steel prison buildings, plain foundations, incl. cottages, observation, Superintendent's cottage, hospital, administration and factory buildings, Plymouth Rd., here, from W. E. Wood Co., 1895 Ford Bldg., Detroit, $519,750.

Contracts Awarded

Mass., Cambridge (Boston P. O.) — STORE and OFFICE—Snider & Druker, 18 Tremont St., Boston, will build 10 story and basement, 4,000 sq.ft. floor space, brick and steel, Central Sq. and Massachusetts Ave. To exceed $150,000. Work will be done by separate contracts. Blackall, Clapp & Whittemore, 31 West St., Boston, archts.

Mass., Malden (Boston P. O.) — POST OFFICE—Coleman Bros., Inc., 245 State St., Boston, will build 2 story, brick and limestone, plain foundation, Ferry St. corner Prescott St. $150,000. Work will be done by separate contracts. U. S. Government, lessee. J. A. Wetmore, Wash., D. C., archt.

Mass., Quincy (Boston P. O.)—MASONIC—Quincy Masonic Building Assn., c/o J. W. Beal Sons Co., archts., 185 Devonshire St., Boston, 2 story and basement, 80 x 120 ft., brick and limestone, plain foundation, Hancock St., to A. Batson, 26 Arlington St., Brockton. Archts. est. $300,000.

Mass., Somerville—SALES and SERVICE—Goodyear Tire & Rubber Co., 61 Brookline Ave., 2 story, brick and rein.-con. addition, to J. J. Prindiville Co., Prindiville Bldg., Framingham.

R. I., East Greenwich — HOSPITAL — Crawford Allen Hospital, brick and steel hospital, to Starrett Bros., 292 Madison Ave., New York City. Archts. est. $250,000. Noted July 29.

N. Y., Albany—HOTEL—Metropolitan Realty, Inc., 17 East 42nd St., New York City, 10 story, concrete, brick and steel, State, Eagle and Howard Sts., here, to J. P. Sewell, 372 Hudson Ave. Archts. est. $2,000,000. Noted July 1.

N. Y., Brooklyn — OFFICE — Brooklyn Edison Co., 360 Pearl St., 12 story, brick, steel and stone addition, plain foundation, Pearl and Willoughby Sts., to Cauldwell-Wingate Co., 381 4th Ave., New York City.

N. Y., New York—APARTMENT—Bernson Constr. Co., c/o C. Kreymborg, archt., 2534 Marion Ave., will build 6 story, brick, steel and stone, plain foundation, Fulton Ave., by day labor. $180,000.

N. Y., New York — APARTMENT — Bradurn Builders Corp., c/o G. A. Bagge & Sons, archts., 157 East 44th St., will build 6 story, brick, steel and stone, plain foundation, Andrews Ave. and 183rd St. $250,000. Work will be done by separate contracts under architects supervision.

N. Y., New York—APARTMENT—Theodore Building Corp., c/o C. Kreymborg & Son, archts., 2534 Marion Ave., will build 6 story, 80 x 135 ft., brick, steel and stone, plain foundation, Shakespeare Ave., by day labor. $200,000.

N. Y., New York — LOFT — Kymson Realty Co., 313 West 37th St., will build 18 story, brick, steel and stone, plain foundation, 10th Ave. and 34th St. $2,800,000. Work will be done by separate contracts under supervision of owner. Parker & Shaffer, 280 Madison Ave., archts. J. G. White Eng. Corp., 143 Exchange Pl., engrs.

N. Y., New York — OFFICE — Amer. News Co., 9 Park Pl., 18 story, brick, steel and stone, plain foundation, 9-15 Park Pl., to Cauldwell-Wingate Co., 381 4th Ave. Archts. est. $3,000,000.

N. Y., New York — WAREHOUSE — Lincoln Storage Warehouse, 60 East 42nd St., 12 story, rein.-con., brick and steel, plain foundation, 3rd Ave. and 69th St., to J. Lowry, Inc., 270 Madison Ave. Archts. est. $1,000,000. Noted Apr. 8.

N. J., Newark—OFFICE—Prudential Insurance Co., Prudential Bldg., 3 story, brick, steel and stone, plain foundation, Broad and Academy Sts., to F. Kilgus, Inc., 13 South 6th St. Archts. est. $400,000.

Pa., Phila.—GARAGE—Owner, c/o W. F. Koelle, archt., Otis Bldg., 1 story and basement, 80 x 420 ft., rein.-con., brick and steel, plain foundation, 50th and Paschall Sts., to W. L. Koelle & Co., 26th and Oxford Sts.

Ala., Birmingham—TRADING TERMINAL—Merchants & Manufacturers Corp. (1st unit) 2 story, 120 x 440 ft., fireproof, incl. sprinkling plant, 25th St. and 1st Ave., to Kaucher-Hodges Constr. Co., Exch. Bldg. $500,000.

Miss., Ocean Springs—HOTEL—Local Syndicate, c/o Jones, Roessle & Olschner, archts., Maison-Blanche Bldg., New Orleans, La., 9 story, rein.-con., stucco, stone, tile and marble, to Cornet-Casey Co., Chemical Bldg., St. Louis, Mo. Archts. est. $1,500,000.

Ind., Bedford—OFFICE—Bedford Stone Co., general contract 3 story and basement, rein.-con. and limestone, to L. Colvin, 4140 Ruckle St., Indianapolis. Archts. est. $250,000.

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Buildings—Commercial (Continued)

Mich., Detroit—OFFICE—Detroit City Gas Co., Clifford St., 5 story addition, 100 x 120 ft., rein.-con., brick and steel, plain foundation, Clifford St., to W. E. Wood Co., 1804 Ford Bldg. Archts. est. $350,000.

Ill., Champaign—APARTMENT—Clarke Constr. Co., 708 North Bowman St., Danville, will build 3 story and basement, 77 x 82 ft., brick, concrete and tile, 6th and John Sts., here, by day labor. $150,000.

Ill., Chicago—APARTMENT—R. S. De Goyler & Co., archts., 307 North Michigan Ave., masonry, concrete and partition contract 6 story and basement, 185 x 220 ft., rein.-con., brick and stone, Sheridan Rd. and Grace St., to J. A. Lundstrom & Co., 1107 Addison St.; heating, to W. F. Thumn, 2549 Lawrence Ave.; and ventilating, to Wendt & Crane, 1131 North Wells St., for E. W. Carlson, Pine Grove and Grace St. Archts. est. $2,500,000. Noted June 3.

Ill., Chicago—APARTMENT—Hooper & Janusch, archts., 879 North State St., steel contract 21 story and basement, 148 x 150 ft., rein.-con., brick and terra cotta, 1400 Lake Shore Dr., to Hansell-Elcock Co., Archer and Normal Aves.; and concrete, to Hallbauer-Labahn, Inc., 844 Rush St., for Willie Bros., c/o architects. Archts. est. $2,500,000. Noted June 10.

Ill., Chicago—APARTMENT HOTEL—J. and E. Gregori, 134 North La Salle St., masonry contract 5 story, brick and concrete, 909-11 Wilson Ave., to Rosenberger & Peterson, 515 North Clark St. Archts. est. $300,000.

Ill., Chicago—APARTMENT—A. Proskaner, archt., 159 North State St., masonry contract 5 story and basement, 38 x 108 ft., brick and terra cotta, 2358 East 70th Pl., to N. S. Constr. Co., 4440 North Kedzie Ave., for Beatrice Building Corp., c/o architect. Archts. est. $150,000.

Ill., Chicago — CLUB — Michaelson & Rognstod, archts., 3815 West Congress St., masonry and concrete contract 14 story, 122 x 140 ft., brick and terra cotta, Madison St. and Hamlin Aves., to Ebenholtz & Jorgenson Co., 1720 North California Ave.; heating, to N. B. Brown & Co., 19 South La Salle St.; electrical work, to Meade Electric Co., 3253 West Madison St.; ventilating, to H. H. Davis & Co., 3022 Archer Ave., for Mid-west Athletic Club, c/o architects. Archts. est. $2,500,000. Noted Mar. 11.

Ill., Chicago—HOTEL—Berlin & Swern, archts., 19 South La Salle St., general contract 19 story and basement, 50 x 165 ft., rein.-con. and steel addition, 822 South Wabash Ave., to W. Adams Co., 209 South La Salle St.; plumbing, to M. J. Corboy Co., 405 North Des Plaines St.; heating, to Mehring & Hanson Co., 162 North Clinton St.; electrical work, to C. Johnson Electrical Co., 26 North Jefferson St., for Y. M. C. A., 19 South La Salle St. Noted June 24.

Ill., Chicago — HOTEL — P. F. Olson, archt., 720 Cass St., general contract 8 story, 50 x 150 ft., rein.-con., brick and terra cotta, Kenmore and Lawrence Aves., to R. C. Weiboldt Co., 1534 West Van Buren St., for Lawrence-Kenmore Building Corp., c/o architect. Archts. est. $300,000. Noted July 29.

Ill., Chicago—HOTEL—Levy & Klein, archts., 111 West Washington St., and A. Epstein, engr., 2001 West Pershing Rd., masonry and concrete contract 12 story and basement, 66 x 110 ft., rein.-con., brick and terra cotta, Huron and Clark Sts., to Duval Herrling & Co., 190 North State St. Archts. est. $1,000,000. Noted July 1.

Ill., Chicago — TEMPLE — Knights of Pythias, State and 37th Sts., general contract 6 story club building, incl. roof garden, theatre, 1,500 seating capacity, etc., to Western Iron Constr. Co., 4906 North Clark St. Archts. est. $1,000,000.

Wis., La Crosse—HOSPITAL—La Crosse Lutheran Hospital, 1910 South Front St., general contract 4 story and basement, brick and concrete addition, plain foundation, to P. Nelson & Son, Newburg Bldg., $73,962. Noted July 22.

Mo., St. Louis—COMMERCIAL—Burdeau Real state Co., 801 Chestnut St., will build 4 story and basement, rein.-con. and brick, 1522 Olive St., by day labor. H. A. Kolb Trunk & Case Co., 1218 Olive St., lessee.

Mo., St. Louis — AUDITORIUM — St. Louis Medical Society, 3525 West Pine Blvd., 1 story and basement, 70 x 110 ft., brick, concrete and steel, Lindell Blvd. and Vandeventer Ave., to Westlake Constr. Co., Ry. Exch. Bldg. Archts. est. $170,000.

Mo., Sedalia—HOTEL—Community Hotel Co., Sedalia, 7 story and basement, 71 x 92 ft., rein.-con., brick and stone, 4th and Ohio Sts., to Stevens Constr. Co., 212 East Superior St., Chicago, Ill. Archts. est. $300,000.

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Ark., Pine Bluff—TEMPLE—Pine Bluff Shrine, c/o C. H. Bollinger, 218 East 6th St., brick, concrete, steel and tile, to Stewart-McGhee Constr. Co., 815 Main St., Little Rock. Archts. est. $285,000. Noted June 10.

Tex., Dallas—HOME—Home of Our Lady of Charity, c/o Mother Clement, brick, stone and rein.-con., Ft. Worth Pike and Cockrell Rd., to A. J. Rife Constr. Co., 717 Wilson Bldg. $150,000 cost plus percentage basis.

Tex., Ft. Worth—HOSPITAL—Sisters of Charity of the Incarnate Word, c/o Sister Superior, 5 story and basement, 106 x 182 ft., brick, terra cotta, rein.-con. and tile, incl. elevators, steam heating and plumbing, etc., 1607 South Main Sts., to J. T. Taylor, 707 1st Natl. Bank Bldg., $297,377. Noted June 10.

Tex., San Antonio — STORE — McCrory Stores Corp., 1107 Bway, New York City, N. Y. 2 story and part basement, 110 x 260 ft., rein.-con. and brick, plain foundation, Houston and Navarro Sts., here, to A. E. Rheiner & Co., Builders, Exch. Bldg., approximately $152,000. Noted Aug. 5.

Nev., Reno—HOTEL-APARTMENT — G. Wingfield, Reno Natl. Bank Bldg., 6 story, 200 room rein.-con. and brick hotel-apartment, to P. J. Walker Co., Sharon Bldg., San Francisco, Calif., $600,000 cost plus percentage basis. Noted June 17.

Wash., Seattle—STORE—L. K. Liggett Co., represented by Goodwin Realty Co., Leary Bldg., 10 story, 110 x 111 ft., concrete, steel and terra cotta, 4th and Pike Sts., to Murdock & Eckman, Thompson Bldg. Archts. est. $600,000.

Calif., Burbank—BANK and OFFICE—Security Trust & Savings Bank, 2 story and basement, 55 x 125 ft., brick and steel, Olive St. and San Fernando Blvd., to E. Elliott, 612 East Elk Ave., Glendale. $150,250.

Calif., Los Angeles — APARTMENT — Tifal & O'Connor, 520 Chamber of Commerce Bldg., will build 10 story and basement, rein.-con. and steel, 5th and Normandie Aves., by day lbaor and sub-contracts. To exceed $150,000.

Calif., San Francisco—APARTMENT—J. G. Kincanon, 560 Larkin St., will build 6 story and basement, rein.-con., Larkin St. near Turk St. by day labor and sub-contracts. $200,000. Private plans.

Calif., San Francisco—APARTMENTS—J. Greenback, Hearst Bldg., will build 10 story and basement, steel and rein.-con., Hyde St. near Greenwich St., by day labor and sub-contracts. $250,000.

Calif., San Francisco—APARTMENT—C. J. Keenan, 110 Sutter St., will build 6 story and basement, steel and rein.-con., California St. near Stockton St., by day labor and sub-contracts. $150,000. N. W. Sexton, De Young Bldg., archt.

Ont., Sudbury — GARAGE — Gardners Garage, Lorne St., general contract 2 story, rein.-con., brick and steel, plain foundation, Lorne St., to H. Barlow, Brandon St. Archts. est. $40,000.

Ont., Toronto — APARTMENT — Four Hundred Avenue Rd. Apartments, 400 Avenue Rd., general contract 4 story and basement, rein.-con., brick and steel, plain foundation, Avenue Rd., to A. R. Holmes, 6 Hayden St. Archts. est. $500,000. Noted July 29.

Buildings—Industrial

Proposed Work

Mass., Rutland — WORKSHOP—Central New England Sanatorium, A. Crane, doctor, in charge, having sketches made by Derby & Robinson, 3 Joy St., Boston, 2 story, brick, Miles Rd. $60,000.

Conn., Naugatuck—FOUNDRY—Eastern Malleable Iron Co., Bridge St., plans new brick foundry, replacing Foundry 3. $82,000.

N. C., Colon—BRICK PLANT—Isenhour Brick Co. plans enlarging plant increasing capacity from 30,000 to 100,000 brick daily.

Tenn., Knoxville — TEXTILE MILL — Standard Knitting Mill, Washington and Mitchell Sts., plans 5 story, 100 x 180 ft., rein.-con. mill. $100,000.

O., Bowling Green—BOILER HOUSE—State Normal School having plans prepared by H. D. Briggs, archt. and engr., Ohio-Hartman Bldg., remodeling boiler house. $46,200.

O., Cleveland — FACTORY — Willard Storage Battery Co., R. C. Noberg, vice.-pres. and genl. mgr., 246 East 131st St., had plans prepared by P. H. Voth, c/o owner, 4 story and basement, 135 x 200 ft., brick and rein.-con., incl. steam heat, Taft Ave. and East 131st St. $250,000.

Wis., Kohler—POTTERY PLANT—See "Contracts Awarded."

Wis., Madison—PUBLISHING HOUSE—Capitol Times Co., T. Bouden, mgr., 106 King St., plans 2 story and basement, rein.-con., brick and steel, plain foundation, North Butler St. $50,000. Engineer and architect not selected.

Mo., Fulton—BRICK PLANT—A. P. Green Fire Brick Co., Mexico, soon takes bids 1 story, 60 x 500 ft., brick and corrugated steel plant, near here. $250,000.

Tex., Amarillo—CREAMERY—Metzger Creamery Co., c/o C. Metzger, Holmes St. Rd., Dallas, soon takes bids 2 story, brick, tile and concrete addition, incl. plumbing, etc., 715 North Fillmore St. $40,000. Private plans. Noted Mar. 25.

Okla., Poteau—POWER PLANT—City plans election $60,000 bonds, electric power plant. A. C. Moore, 221 West 3rd St., Joplin, Mo., engr. Noted May 20.

Bids Desired

Mass., Dorchester (Boston P. O.)—REPAIR and SERVICE GARAGE—E. L. Brown, 18 Tremont St., Boston, taking bids 1 story and basement, 80 x 200 ft., rein.-con., brick and steel, Rhodes St. To exceed $40,000. S. E. Moffie, 51 Cornhill, Boston, archt.

R. I., East Greenwich — DYE and BOILER HOUSE—A. H. Esten, Division St., taking bids 1 story, 50 x 140 ft., rein.-con., brick and steel, plain foundation. To exceed $40,000. C. T. Main, 201 Devonshire St., Boston, engr.

Conn., East Hartford (br. Hartford)—SHOP—See "Contracts Awarded."

Pa., Altoona—TANK, SERVICE, etc.—Aug. 20, by Montgomery Smith, purch. agt. Pennsylvania R.R., at 17th and Filbert Sts., Phila., constructing and erecting structural steel for tank and service shop, crane runway, etc., here, Contr. 26-1926. A. C. Shand, Broad St. Sta., Phila., ch. engr.

Ill., Chicago — FACTORY and SALESROOM — Homer Bros., 3042 West Chicago St., taking bids 3 story, 152 x 200 ft., brick, steel and stone factory building. $150,000. E. Steinborn, 179 West Washington St., archt.

Wis., Berlin—POWER PLANT—Wisconsin Power & Light Co., H. R. Smith, dist. mgr., taking bids rebuilding 1 story, 40 x 80 ft., rein.-con., brick and steel, plain foundation. $40,000. Bolch & Lippert, Gay Bldg., Madison, archts. Noted June 17.

Wis., Cedarburg — FACTORY — Amer. Electric Motors, Inc., 57 Erie St., Milwaukee, taking bids 1 story, 100 x 300 ft., brick and steel, plain foundation, here. Private plans.

Wis., Fond du Lac—PLANT—Wisconsin Power & Light Co., F. Whitelye, dist. mgr., taking bids 1 story, 31 x 61 ft., rein.-con., brick and steel, plain foundation. $40,000. Bolch & Lippert, Gay Bldg., Madison, archts. Noted June 3.

Wis., Marshfield—FACTORY—See "Contracts Awarded."

Wis., Milwaukee—RENDERING PLANT—See "Contracts Awarded."

Wis., New Diggins—MILL—See "Contracts Awarded."

Wis., Sheboygan — TANNERY — Badger State Tannery Co., A. W. Weeman, South Water St., taking bids 2 story, 60 x 85 ft., rein.-con., brick and steel, plain foundation. $40,000. Private plans.

Tex., Denton—POWER PLANT—College of Industrial Arts, c/o Business Manager, taking bids 20 ft. extension to power house, three 400 hp. and one 500 hp. power boilers, approximately 400 hp. tunnel to new library. B. F. Taylor, Santa Fe Bldg., consult. engr.

Tex., Gonzales—CREAMERY—See "Contracts Awarded."

Ont., Trenton—STRAWBOARD MILL—See "Contracts Awarded."

Contracts Awarded

Mass., Cambridge (Boston P. O.)—FACTORY—J. W. Greer Co., 119 Windsor St., 2 story and basement, brick addition, to Scully Co., 18 1st St. Archts. est. $40,000. Noted Aug. 5.

Mass., Lynn—BAKERY and STORAGE—J. B. Blood, 94 Summer St., 4 story and basement, 100 x 140 ft., concrete, Pleasant and Wheeler Sts., to Turner Constr. Co., 178 Tremont St., Boston. Archts. est. to exceed $40,000.

Conn., East Hartford (br. Hartford)—SHOP—New York, New Haven & Hartford R.R. Co., E. Gagel, ch. engr., New Haven, will build 1 story, 80 x 200 ft., concrete and asbestos machine shop, by day labor. $40,000. Private plans.

Buildings—Industrial (Continued)

Florida—BAKING PLANTS—Southern Baking Co. of Miami, constructing baking plants in West Palm Beach, Daytona, and Miami, to Equity Constr. Co., 978 Brook Ave., New York City, N. Y., $2,000,000.

O., Cleveland—BOILER HOUSE—Park Drop Forge Co., Fred L. Bail, secy.-treas., East 79th St., 1 story, 45 x 52 ft., brick, steel and concrete, East 79th St., to G. A. Rutherford Co., 2527 Prospect Ave. Archts. est. $40,000.

O., Columbus—SHOP and GARAGE—W. H. Duffy, dir. Pub. Serv., 2 story and basement, 80 x 120 ft., and 1 story and basement, 60 x 180 ft., brick, concrete and steel, to E. H. Latham, 60 East Broad St., for Water Works Dept. $87,463. Noted July 8.

Mich., Detroit — MACHINE SHOP — Continental Tool Co., McGraw St., 1 story, 30,000 sq.ft. floor space, incl. heating, lighting and plumbing, to Austin Co., General Motors Bldg. Engrs. est. $250,000.

Wis., Big Falls—POWER PLANT—Wisconsin Power & Light Co., E. J. Kellevary, ch. engr., Gay Bldg., Madison, rebuilding rein.-con., brick and steel, plain foundation, to L. E. Myers & Co., Monadnock Bldg., Chicago, Ill. Engrs. est. $50,000.

Wis., Kohler — POTTERY PLANT — Kohler Co., substructure 3 story, 130 x 600 ft., and 1 story, 328 x 340 ft., brick and concrete, to Immel Constr. Co., Dana Bldg., Fond du Lac. Archts. total est. $1,000,000. Brust & Philipp, 405 Bway., Milwaukee, archt. Owner soon takes bids superstructure of above.

Wis., Madison — PLANT and WAREHOUSE—Madison Dairy Supply Co., 614 West Dayton St., H. H. Miller, pres., 2 story, 32 x 100 ft., rein.-con. and timber, plain foundation, Mifflin St., to G. Rank, 2230 Rugby Row.

Wis., Marshfield — FACTORY — Roddis Lumber & Veneer Co., Marshfield, will build 3 story, 86 x 96 ft., brick and timber addition, here, by day labor. $50,000. Private plans.

Wis., Milwaukee—RENDERING PLANT—Layton Co., Muskego Ave., will build 2 story, 62 x 100 ft., brick, steel and concrete, Muskego Ave., by day labor. $70,000. Private plans.

Wis., Milwaukee — FACTORY — Pittsburgh Plate Glass Co., 205 Lake St., 1 story, 40 x 50 ft., 2 story, 50 x 50 ft., and 3 story, 60 x 130 ft., brick and concrete, plain foundation, Oregon St., to H. Danischefsky, 1488 Humboldt Ave. Archts. est. $100,000. Noted July 15.

Wis., New Diggins — MILL — Mineral Point Zinc Co., W. R. Smith, genl. supt., Mineral Point, will build 60 x 95 ft., rein.-con., brick and steel, plain foundation, here, by day labor. $40,000. Private plans.

Mo., St. Louis—TRANSFORMER PLANT—Moloney Electric Co. subsidiary of Amer. Brown Boveri Co., 165 Bway., New York City, N. Y., 1, 2 and 3 story, 300 x 754 ft., and 90 x 500 ft., rein.-con. and brick, Kingshighway N. W. near Union Blvd., to Hercules Constr. Co., Wainwright Bldg. Engrs. est. $1,000,000.

Tex., Gonzales — CREAMERY — Stahl Bros. will build 1 story, 112 x 120 ft., brick and rein.-con. creamery, by day labor. $45,000. Private plans.

Ont., London—FACTORY—Kellogg Company of Canada, 4 story, 150 x 150 ft., Dundas St., to Sullivan & Fried, 81 Victoria St., Toronto. Archts. est. $125,000. Noted July 22.

Ont., St. Catharines—SPINNING and WEAVING—Toronto Ltd., Vine St., general contract spinning and weaving building, concrete, brick and steel, to Carswell Constr. Co., 58 Wellington St. E., Toronto; electric light, power, plumbing and heating, to R. Fitzsimmons Co., 21 Rebecca St., Hamilton; electrical work, to Sterling Electric Co., Vine St.; structural steel, to McGregor & McIntyre, 1139 Shaw St., Toronto. Archts. est. $65,000.

Ont., Saulte Ste. Marie — DISTILLING PLANT — Dominion Tar & Chemical Co., Wilde St., masonry and excavation contract tar distilling plant, concrete, brick and steel, to McLarty Bros., 33 Wellington St. Engrs. est. $60,000.

Ont., Trenton—STRAWBOARD MILL—Hinde & Dauch Paper Co. Ltd., 43 Hanna St., Toronto, will build 1 story, 300 ft. long, and 2 story, 500 ft. long, rein.-con., brick and steel, plain foundations, here, incl. steam heating system, by day labor. $250,000. Private plans.

B. C., Stave Falls—POWER HOUSE—British Columbia Elecrtic Ry. Co., 425 Carrall St., Vancouver, 1 story, rein.-con. power house, penstock and completing tunnel from Allouette Lake to above powerhouse, to Northern Constr. Co., Ltd., 736 Granville St., Vancouver, $500,000.

Buildings—Educational, Religious

Proposed Work

N. H., Durham—FRATERNITY—Theta Chi Fraternity, New Hampshire College, having plans prepared by W. H. Drummey, 80 Boylston St., Boston, 3 story and basement, brick fraternity house. $150,000.

Mass., Andover — FRATERNITY — Phillips Andover Academy having sketches made by Perry, Shaw & Hepburn, 177 State St., Boston, fraternity. $150,000.

Mass., Braintree — SCHOOL — Town, School Bd., rejected bids 2 story and basement, brick and stone, plain foundation, Cleveland St. $150,000. J. Craig, 45 Bromfield St., Boston, archt. Noted July 29.

Mass., Dartmouth — SCHOOL — Town, School Com., takes bids about Aug. 15, 2 story and basement, 65 x 180 ft., brick and steel school. $150,000. Brown & Poole, 688 Pleasant St., archts.

Mass., Peabody—SCHOOL—St. Joseph Juniorate had plans prepared by M. Sullivan, 2 story and basement, 70 x 285 ft., brick, limestone, cast stone and steel, Andover St.

Mass., West Roxbury (Boston P. O.)—SCHOOL—City, Schoolhouse Dept., Boston, having plans prepared by C. Allbright, 180 Boylston St., Boston, altering and constructing 2 story and basement, brick and stone addition, plain foundation. Robert Gould Shaw Dist., here. $150,000.

R. I., Woonsocket—HIGH SCHOOL—City School Bldg. having plans prepared by W. F. Fontaine, 285 Main St., Junior High School, brick and steel, Villa Nova Sect. $500,000.

Pa., Altoona — HIGH SCHOOL — Bd. Educ., 6th Ave. and 15th St., W. F. Eberle, pres., 314 2nd Ave., making preliminary plans Junior High School, 3 story and basement, 250 x 400 ft., 19th Ave. $800,000. Engineer and architect not selected.

Ga., Ft. Valley—SCHOOL—Ft. Valley Consolidated School Dist. election soon, $180,000 bonds for school.

O., Bexley (Columbus P. O.)—CHURCH—W. F. Hutchinsen, chn. Bexley Methodist Church Congregation, 97 Drexel Ave., having sketches made stone and concrete church, East Broad St. $400,000.

O., Columbus—SCHOOL—Holy Rosary Catholic Church, Main and Seymour Sts., J. J. Murphy, pastor in charge, having plans prepared by Snyder & Babbitt, 16 East Broad St., 3 story and basement, 80 x 160 ft., brick and concrete, East Main St. $165,000.

Ill., Morgan Park (Sta. Chicago) — CHURCH—Morgan Park Methodist Episcopal Church soon lets contract 3 story, 150 x 172 ft. addition, 110th Pl. and Longwood Dr. $400,000. Perkins, Fellows & Hamilton, 814 Tower Court, Chicago, archts. Noted June 3.

Wis., West Milwaukee (Milwaukee P. O.)—SCHOOL—School Dist. 12, G. Niederstadt, clk., having plans prepared by M. Tullgren & Son, 9 Waverly Pl., 3 story and basement, brick, tile and concrete, plain foundation. $200,000.

Wis., Manitowoc—CHURCH—First German Evangelical Congregation, T. Uetzmann, pastor, having plans prepared by H. C. Haeuser, 445 Milwaukee St., Milwaukee, 2 story and basement, 40 x 120 ft., rein.-con. and stone, plain foundation, Pine St. $150,000.

Minn., Minneapolis — SCHOOLS — Bd. Educ., 305 City Hall, having plans prepared (1st unit), 2 story and basement, incl. steam heating, Minnehaha Parkway and 32nd Ave., $200,000; and 2 story and basement, incl. steam heating, 37th St. S. and 43rd Ave., $150,000, both rein.-con. and brick. Architectural Dept. of Owner, archts.

Minn., St. Paul—SCHOOL—College of St. Catherine, Randolph and Cleveland Aves., having plans prepared by H. A. Sullwood, 107 East 3rd St., 4 story and basement, 62 x 250 ft., rein.-con., brick and stone, Randolph and Cleveland Aves. $250,000.

Neb., Omaha—HOSPITAL and NURSES' HOME—Methodist Episcopal Hospital, 36th and Cummings Sts., having preliminary plans prepared by G. P. Prinz, 1037 Omaha Natl. Bank Bldg., 3 story and basement addition, 36th and Cummings Sts. $300,000. Noted Feb. 4.

Mo., Mexico — HIGH SCHOOL — Bd. Educ., T. J. William, secy., takes bids about Aug. 15, 3 story and basement, 90 x 320 ft., rein.-con. brick and stone high school. $260,000. Thomas, McLennan & Thomas, 508 Old Colony Bldg., Des Moines, Ia., archts. Noted June 17.

Mo., Moberly — HIGH SCHOOL — Bd. Educ., R. L. Kingsbury, pres., making preliminary plans Junior High School, 3 story, brick, stone and concrete. $200,000.

Mo., St. Louis — CHURCH — Compton Heights Christian Congregation, J. H. Coil, pastor, 2800 St. Vincent Ave., having preliminary plans prepared 2 story and basement, 132 x 240 ft., brick, concrete and stone, Grand and Flora Sts. $200,000.

Mo., St. Louis—LECTURE HALL—St. Louis College of Pharmacy, 2108 Locust Blvd., purchased site and plans 4 story and basement, 100 x 175 ft., rein.-con., brick and stone, Euclid and Parkview Aves. $500,000

Mo., St. Louis—SCHOOLS—Bd. Educ., 911 Locust St., takes bids in September, 3 story, rein.-con., brick and stone additions to Roe School $200,000, Scruggs School $200,000, Susan Buder School $175,000, and Long School $100,000; also equipment for Vashon School, incl. training shops, kitchen and domestic science, gymnasium, etc., Garrison and Laclede Sts., $100,000. R. M. Milligan, comr. engr. and archt. Noted Mar. 4.

Calif., Gant — HIGH SCHOOL — Voted $150,000 bonds, fireproof, for Galt Joint Union High School Dist.

Calif., Riverside—SCHOOL—City plans additions to Magnolia and Palm schools. To exceed $150,000. G. S. Wilson, 646 West 9th St., archt. Noted July 1.

Calif., San Bernardino—HIGH SCHOOLS—Plans election $500,000 bonds, 3 Junior High Schools, for San Bernardino Valley Union Junior College Dist., c/o County Superintendent Schools.

B. C., Point Grey—COLLEGE—Anglican and United Church of Canada, c/o Sharp & Thompson, archts., 708 London Bldg., Vancouver, having plans prepared 3 story, rein.-con., tile and stucco, University site. $205,000. P. B. Brown, 400 London Bldg., Vancouver, engr.

Ont., Clinton—SCHOOL—Bd. Educ. having plans prepared by S. B. Coon & Son, 4 St. Thomas St., Toronto, 2 story and basement, 8 or 10 room, rein.-con., brick and steel, plain foundation, incl. steam heating system. $150,000.

Bids Desired

Mass., Boston—CHURCH—St. Stephens Episcopal Church, c/o Perry, Shaw & Hepburn, archts., 177 State St., Boston, taking bids 1 story and basement, brick and stone, plain foundation, Shawmut Ave. $150,000. Noted July 8.

Mass., Fall River—SCHOOL—City, City Auditor's Office, taking new bids 2 story and basement, brick and stone, plain foundation, Bay St. $150,000. Former bids rejected. J. I. Higgins, Borden Blk., archt. Noted Aug. 5.

Mass., Natick—HIGH SCHOOL—Town, School Comn., taking bids Junior High School, 3 story and basement, 85 x 275 ft., brick and stone, plain foundation. $300,000. McLaughlin & Burr, 88 Tremont St., Boston, archts

Mass., Salem—CHURCH—Grace Episcopal Church, c/o Smith & Walker, archts., 80 Boylston St., Boston, taking bids 1 story and basement, brick, granite and stone, plain foundation, Church and Essex Sts. $150,000.

Ill., Urbana — ARCHITECTURAL SCHOOL—Aug. 24, by University of Illinois, 3 rein.-con., brick and stone architectural buildings, 4 story and basement, 50 x 150 ft. and 30 x 27 ft. addition to library, on campus. J. M. White, 256 Administration Bldg., archt. Noted July 1.

Ia., Muscatine—SCHOOL—Aug. 24, by Bd. Educ., H. Ahlschlager, secy., 2 story and basement, 116 x 200 ft., rein.-con. and brick school. $175,000. Douhger, Rick & Woodburn, 805 Valley Natl. Bank Bldg., Des Moines, archts. Noted July 22. Contract

Kan., Topeka—HIGH SCHOOL—Aug. 16, by Bd. Educ., 3 story, 89 x 155 ft., brick and stone high school, incl. plumbing and heating. $160,000. T. W. Williamson & Co., 312 Central Bank Bldg., archts.

Tex., Dallas—HIGH SCHOOL—Aug. 27, by DeWitt & Lemmon, archts., 507 Southwestern Life Bldg., Woodrow Wilson High School, 3 story and part basement, 250 x 250 ft., brick, stone and steel, incl. heating, ventilating, plumbing, etc., Glasgow Dr. opposite Randall Park, for Bd. Educ., c/o C. M. Moore, secy., Akard and Royal Sts. $550,000. Noted Feb. 11.

Mo., Deering—SCHOOL—Aug. 26, by Bd. Educ., c/o W. L. Anchlin, constructing school, incl. heating apparatus, etc., here. W. B. Ittner, Inc., 911 Locust St., St. Louis, archts.

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Buildings—Educational, Religious (Cont.)

D. C., Wash.—HIGH SCHOOL—Aug. 19, by Dist. Comrs., District Bldg., addition to Hine Junior High School; adv. E. N.-R. Aug. 12.

Bids Received

Mass., Boston—NURSES HOME—City, Hospital Dept., altering and constructing 5 story and basement, irregular shaped, brick and stone, Harrison Ave., from Matthew Cummings Co., 43 Tremont St., $412,500.

Mass., Quincy (Boston P. O.) — HIGH SCHOOL—City, P. Barbour, mayor, Junior High School, 2 story and basement, brick and stone, plain foundation, Granite St., from W. Hanson, 695 Belmont St., Brockton, $249,000. Noted June 24.

Conn., Hartford — SCHOOL — Second North School Dist., 118 Asylum St., Henry Barnard School, 3 story and basement, brick and steel, North Main St., from Wise & Upson, 7 Forest St., Hartford, $403,000. Noted July 1.

N. J., Bernardsville—HIGH SCHOOL—Bd. Educ., general contract brick, steel and stone, plain foundation, here, from Smith & Hartman, Chester, $195,396; heating, from R. G. Maupai, 73 South St., Jersey City, $28,600. Noted Apr. 15.

Wis., Madison—GRADE SCHOOL—Bd. Educ., W. H. Pickford, clk., 22 West Dayton St., July 3, Lowell School, 2 story and basement, rein.-con., brick and steel, here, from J. H. Kelly, 2013 Madison St., $169,686. Noted July 1.

S. D., Aberdeen — PHYSICAL EDUCATION—J. W. Henry, archt., 3 story, 107 x 142 ft., rein.-con., brick and stone, plain foundation, here, from S. W. Jonason & Co., Aberdeen, for Northern Normal & Industrial School. $143,645. Noted July 22.

Contracts Awarded

Me., Bangor—SCHOOL—City, A. B. Garrelon, supt. schools, Junior High and Grade School, 2 story and basement, brick and stone, plain foundation, Bway. and French St., to McPherson & Barrows, 26 Hodgdon St. Archts. est. to exceed $150,000.

Me., Portland — SCHOOL — Church of Immaculate Conception, 2 story and basement, brick and stone, Cumberland and Locust Sts., to E. W. Cunningham & Son, 181 State St., Portland. Archts. est. $150,000.

Mass., Quincy (Boston P. O.)—CHURCH—Atlantic Methodist Episcopal Church, V. Shedds, 62 East Squantum St., 1 story and basement, 45 x 85 ft., and 40 x 50 ft., granite and stucco, plain foundation, Hancock St., to M. E. Kilpatrick, 187 Eliot Ave. Archts. est. $150,000. Noted June 10.

Mass., Roxbury (Boston P. O.)—SUNDAY SCHOOL — Dudley Street Baptist Church, 139 Dudley St., 3 story and basement, 75 x 85 ft., brick, to Somers & Drisco, Park Sq. Bldg., Boston. Archts. est. $150,000.

Conn., Hartford—SCHOOL—City, E. W. Cotter, chn., 3 story and basement, 64 x 88 ft., and 62 x 88 ft., brick, steel and stone, North Main St., to Wise & Upson, 36 Pearl St. Archts. est. $500,000. Noted July 15.

Conn., Middletown — FRATERNITY — Alpha Chi Fraternity, Wesleyan College, fraternity house, to T. H. Sellew, Cromwell, Conn.

N. Y., Albany—ACADEMY—Cathedral Academy, E. F. Gibbons, bishop, Cathedral of Immaculate Conception, general contract 3 story and basement, 88 x 97 ft., rein.-con., brick, terra cotta, marble and steel, to Feeney & Sheehan Building Co., 164 Montgomery St.

Pa., Phila. — CHURCH and SUNDAY SCHOOL—Heidelberg Reform Church, c/o Stuckert & Co., archts., 1420 Chestnut St., 1 and 2 story and basement, 75 x 110 ft., rein.-con., steel and stone, plain foundation, Broad and Grange Sts., to E. H. Keefer & Son, 1321 Rodman St. Noted July 22.

N. C., Charlotte—CHURCH—Tryon Street Methodist Episcopal Church, brick and stone, Tryon St., to J. P. Little & Son, Charlotte, $440,000.

O., Bexley (Columbus P. O.)—SCHOOL—J. L. W. Henney, clk. Bd. Educ., general contract 3 story and basement, 130 x 150 ft., brick, concrete and stone, Cossingham Ave., to J. W. Lynn Constr. Co., Portsmouth, $205,616; plumbing and heating, to Star Plumbing, Columbus, $53,613. Noted July 22.

O., Dayton—HIGH SCHOOL—C. J. S. Schmidt, clk. Bd. Educ., Ludlow Bldg., 2 story, brick and rein.-con. high school, incl. gymnasium, swimming pool, Nassau St., to Danis-Hunt Constr. Co., 1st and Webb Sts., $352,749. Heating and ventilating apparatus to Freyn Bros., 1029 North Illinois St., Indianapolis, Ind., $49,967. Noted July 1.

O., Eaton—HIGH SCHOOL—Bd. Educ., general contract Junior High School, 2 story and basement, brick and concrete, to Lnognecker & Son, Greenville, $224,000; heating and ventilating, to Freyn Bros., 1028 North Illinois St., Indianapolis, Ind., $51,113.

Ind., Muncie—COLLEGE—Indiana State Normal School, general contract brick, steel and rein.-con. dormitory for girls, to A. J. Glaser, Muncie, $151,000. Noted July 22.

Ind., Muncie—DORMITORY—B. J. Burris, pres. Ball Teachers College, general contract 3 story and basement, 69 x 125 ft., brick and concrete, to A. J. Glaser, Muncie, $116,150. Noted Apr. 22.

Ind., Greencastle—DORMITORIES—De Pauw University, general contract 3 story and basement, 50 x 160 ft., brick, steel and rein.-con., to L. Colvin, 823 Continental Bank Bldg., Indianapolis. Archts. est. $250,000. Noted Mar. 4.

Ill., Alton — HIGH SCHOOL — Ursuline Academy, 4th and Alton Sts., general contract 3 story, 128 x 214 ft., concrete, brick and stone, 4th and High Sts., to Wimmer Contg. Co., Victoria Bldg., St. Louis, Mo.; plumbing and heating, to Alton Plumbing & Heating Co., Alton. Archts. est. $175,000.

Ill., Chicago—ELECTRICAL SCHOOL—A. S. Alschuler, archt., 28 East Jackson Blvd., masonry, concrete and carpentry contract 5 story and basement, 95 x 120 ft., West Congress St. and Paulina Ave., to Schmidt Bros. Constr. Co., 22 East Huron St., for Coyne Electrical School, 1300 West Harrison St. Archts. est. $500,000. Noted June 10.

Wis., Madison—SCHOOL—Bd. Educ., W. H. Pickford, clk., 22 West Dayton St., 2 story, 60 x 150 ft., rein.-con., brick and steel, plain foundation, Monroe and Western Aves., to J. H. Findorff & Sons, 601 West Wilson St. Archts. est. $150,000. Noted June 17.

Wis., New Richmond—HIGH SCHOOL—Bd. Educ., A. Denneen, clk., 2 story and basement, 80 x 132 ft., brick and tile, plain foundation, to Hoeppner-Bartlett Co., 414 Grand Ave., Eau Claire, $113,000. Noted July 22.

Minn., Minneapolis — SCHOOL — Bd. Educ., 305 City Hall, 3 story and basement, rein.-con. and brick, 43rd Ave. N. between Morgan and Newton Aves., to M. Madsen Co., 702 National Bldg. $128,790. Archts. est. $250,000. Noted Aug. 5.

Mo., Columbia — SCHOOLS — Bd. Educ., general contract Hickman Senior High School, 2 story and part basement, 159 x 219 ft., to J. L. Davis, Columbia, $235,511; addtion to Douglas Benton School, to Short & Beamer, Monett, $31,953 and $74,955 respectively, all rein.-con., brick and stone. Grand total $342,419. Noted June 17.

Calif., Culver City—SCHOOL—Ballona School Dist., general contract fireproof school, to Williams and Son, 667 Brooks Ave., Venice, $104,370.

Calif., Los Angeles—HIGH SCHOOL—Brea-Olinda Union High School Dist., general contract high school, to J. P. Steele, 4714 South Western Ave., $220,000. Noted Aug. 5.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ., Fairfax High School, general contract 1 and 2 story, 80 x 200 ft. gymnasium with 40 x 80 ft. wing, and 2 story class room building, brick, to D. Condley, 309 South Western Ave., $152,895. Noted July 15.

Ont., Bowmanville—NURSES HOME—Bowmanville Hospital Bd., general contract 3 story and basement, rein.-con., brick and steel, plain foundation, to T. E. Flaxman, Duke St. Archts. est. $200,000. Noted July 29.

B. C., Point Grey — SCHOOLS — Bd. Educ., 5851 West Boulevard, Vancouver, four 3 story schools, one each to Dominion Constr. Co. Ltd., 509 Richards St., Vancouver, $60,000; to Moncrieff & Vistaunet, Regent Hotel, Vancouver, $40,000; to Smith Bros. & Wilson, 850 Hastings St. W., $53,000; and to A. C. MacDougall & Sons, Ltd., Bank of Toronto Bldg., Vancouver, $66,000. Noted May 13.

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Federal Government Work

Proposed Work

Calif., San Luis Obispo—Stone—U. S. Engineer Office, Central Bldg., Los Angeles, rejected bids July 1, repairing breakwater in harbor, here. Will readvertise. Noted June 17.

Bids Desired

Del., Edgemoor—Dredging—Aug. 25, by Supt. Lighthouses, Phila., Pa., dredging mooring basin at Edgemoor Depot, here; adv. E. N.-R. Aug. 12.

W. Va., Huntington—Lock House—See "Contracts Awarded."

Miss., Vicksburg — Barges — See "Contracts Awarded."

Ill., Great Lakes (br. Waukegon)—Appartment — Spec. 5241 — Aug. 25, by Bureau Yards & Docks, Navy Dept., Wash., D. C., apartment house for officers, Naval Training Station, here. Noted May 27.

O., Dayton—Pipe Tunnels—Aug. 20, by office Constructing Quartermaster, Wright Field, pipe tunnels at Wright Field; adv. E. N.-R. Aug. 12.

Missouri—Revetment—Aug. 16, by U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, 6,300 lin.ft. revetment work in Missouri River, at Fish Creek Bend, Mile 231.

Mo., St. Louis—Dikes—Sept. 1, by U. S. Engineer Office, 428 Customhouse, 3,500 lin. ft. piling dikes or hurdles, near Liberty, and 5,500 lin.ft. same near Wilkinson, Ill.; adv. E. N.-R. Aug. 12.

Tex., Sabine Pass — Jetty — Oct. 1, by U. S. Engineer Office, Galveston, building up and extending west jetty, here; adv. E. N.-R. Aug. 12.

Wash., Puget Sound—Surfacing—Spec. 5246—Bureau Yards & Docks, Navy Dept., Wash., D. C., taking bids bituminous wearing surface on Pier 6, Navy Yard, here.

Calif., San Diego—Walks—Sept. 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., walks and roads at Naval Hospital, here.

Bids Received

Pa., Fort Mifflin (mail Essington)—Pier —Spec. 5226—Bureau Yards & Docks, Navy Dept., Wash., D. C., improving Pier 2, at Ammunition Depot, here, from General Contg. Co., Camden, $25,465. Noted July 15.

D. C., Wash.—Equipment—U. S. Engineer Office, 1068 Navy Dept., Bldg., pneumatic conveying and dust recovering equipment for Water Supply Project, from Dust Recovering & Conveying Co., 2300 St. Clair Ave., Cleveland, O., $15,850. Noted July 8.

Ky., Newport—Remodeling—Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here, from Pearson-Regnall Co., 5816 Bway., Chicago, Ill., $17,500.

Tex., San Antonio — Heating — Treas. Dept., at office Supervising Archt., Wash., D. C., heating at U. S. Post Office, here, from Kirkwood & Whatton, Inc., 231 West Commerce St., $2,489. Noted July 8.

California—Road—C. H. Sweetser, dist. engr. Bureau Pub. Roads, Dept. Agriculture, 9 Main St., San Francisco, 2 bridges on Mendocino Pass, Covelo Sect., Mendocino Co., from Proctor & Cleghorn, Rosenberg Bldg., Santa Rosa, $25,872.

Contracts Awarded

R. I., Newport—Dredging—Spec. 5224—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Naval Station, (Torpedo Sta., Goat Island), here, to J. S. Packard, 104 Turks Head Bldg., Providence, at $0.70 per cu.yd. scow measurement. Noted July 29.

R. I., Providence—Dredging—U. S. Engineer Office, removing 147 cu.yd. ledge or boulders, to Bridgeport Dredge & Dock Co., 1024 Main St., Bridgeport, Conn., at $0.45 per cu.yd., total $6,615.

Conn., Bristol — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here, to W. L. Morrison Constr. Co., Metropolitan Bldg., Wash., D. C., $17,140. Noted July 29.

N. Y., Buffalo—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., repairing U. S. Post Office, here, to Bergner & Co., 64 Terrace St., Buffalo, $3,590.

Pa., Phila.—Dredging—Spec. 5225—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging, here, to Amer. Dredging Co., Market St., at $0.38 per cu.yd. measured in place. Noted July 22.

W. Va., Huntington—Lock House—U. S. Engineer Office will build frame lock house at Lock 7, Muskingum River, by day labor. Former bids rejected. Noted June 3.

Ga., Savannah—Steel—U. S. Engineer Office, 30 pieces steel pipe, to J. Maneely Co., 247 North 12th St., Phila., Pa., $5,100.

Ala., Florence—Transformers, etc.—U. S. Engineer Office, transformers, high tension switching equipment, etc., for Wilson Dam, here, to General Electric Co., River Rd., Schenectady, N. Y., $798,861. Noted June 17.

Miss., Vicksburg—Barges—Third Mississippi River Dist. Comn., P. O. Box 404, will build 8 or more steel, creosoted timber barges, by day labor. Noted July 29.

Tenn., Memphis—Hull—Mississippi River Comn., 1st and 2nd Dists., McCall Bldg., steel hull for concrete mixing plant, to Howard Shipyards & Dock Co., Jeffersonville, Ind., $19,473. Noted June 10.

Federal Government Work (Continued)

Ind., Logansport — Post Office — Treas. Dept. at Office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here, to J. L. Barnes, Logansport, $13,970. Noted July 29.

Mo., Huntsdale—Dike—U. S. Engineer Office, Postal Bldg., Kansas City, 1,700 ft. clump dike in Missouri River, near here, to Massman Constr. Co., Kansas City, $55,250. Noted July 8.

Mo., Kansas City—Retards—U. S. Engineer Office, Wash., D. C., 1,200 lin.ft. current retards at Bakers Bend, in Missouri River, here, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $63,600. Noted Aug. 5.

Mo., Matson—Dike—U. S. Engineer Office, Postal Bldg., Kansas City, 4,100 lin.ft. 3-row clump dike in Missouri River, at Darst Bottoms, near here, to Kansas City Bridge Co., 510 Orear Leslie Bldg., Kansas City, $133,660. Noted July 15.

Calif., San Francisco — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling marine hospital, here, to Vogt & Davidson, San Francisco, $30,272.

Unclassified

Proposed Work

Underpass—Biltmore, N. C.—Southern Ry., 1300 Penn Ave., Wash., D. C., B. Herman, ch. engr., and Buncombe Co. (Asheville) plan steel and concrete underpass, here. $158,000.

Lighting System—Spencer, N. C.—Bd. Aldermen passed franchise for Southern Power Co., W. S. Lee, engr., Charlotte, to erect plant, poles, wires and other equipment to operate lighting system, for town. L. M. Kiser, mayor.

Elimination Grade Crossing—Dayton, O.—Plans election $8,000,000 bonds, eliminating all railroad crossings. Railroads appropriate $11,000,000 toward cost.

Ferry Slip—Milwaukee, Wis.—Bd. Harbor Comrs., E. Bruncken, secy., making preliminary plans 400 ft. car ferry slip on Jones Island. To exceed $25,000. F. A. Kaiser, City Hall, engr.

Gas Extensions—Eldorado, Ark.—Lisbon Gasoline Co., Inc., plans enlarging casenhead plant, and 20 mi. 2- to 6-in. pipe line. $65,000. F. E. Gilmer Co., New Wright Bldg., Tulsa, Okla., engr.

Culverts—Clinton, Ia.—See "Bridges."

Gas Pipe Line—Texas—G. R. Broadwell, c/o Braniff Bldg., Oklahoma City, Okla., plans gas pipe line, etc., from Amarillo Oil Fields to Slaton. $2,000,000. Private plans.

Transmission Line—Texas—Southwestern Pub. Serv. Co., Amarillo, making preliminary plans power line from Amarillo to Pampa, via Panhandle City and White Deer. $100,000. Private plans.

Transmission Line—Texas—Texas Central Power Co., c/o Frost Bldg., San Antonio, E. B. Neiswanger, genl. mgr., plans 32 mi. power transmission line from Dilley to Cotulla. $40,000. Private plans.

Tank Farm and Water Terminal—Beaumont, Tex.—Yount-Lee Oil Co., purchased 1,300 acre site and making preliminary plans, etc. 100 steel oil tanks, 55,000 bbl. capacity each, also water terminal, near here. $3,000,000. Private plans.

Land Development — Dallas, Tex. — Murphy & Bolans, c/o J. H. Power, pres., Field and Commerce Sts., making surveys developing 450 acres into residential district, incl. grading, water and sewerage systems. $75,000. W. J. Powell, 4033 Cole St., consult. engr.

Underpass—Ft. Worth, Tex.—City, c/o O. E. Carr, mgr., Missouri, Kansas & Texas R.R. Co., F. Ringer, ch. engr., Dallas, and Southern Pacific Ry. Co., G. W. Boschke, ch. engr., 65 Market St., San Francisco, Calif., had plans prepared underpass at Southern Pacific, Missouri, Kansas and Texas R.R. tracks and Capps St. $240,000.

Athletic Field, etc.—Houston, Tex.—Bd. Educ. having prelimnary plans prepared athletic field, beautifying grounds, etc., on 8 Junior and Senior High Schools. Hare & Hare, Huntzler Bldg., Kansas City, Mo., engrs.

Power Line—New Braunfels, Tex.—Comal Power Co. and San Antonio Pub. Serv. Co., 201 North St. Marys St., San Antonio, plan large amount power lines radiating from Comal Power Co. main plant, here. $2,000,000. Private plans.

Transmission Lines—Los Angeles, Calif.—Plans election $200,000 bonds, acquiring lines with annexed territories. (Money to be expended by City Water and Power Comn.)

Transmission Lines, etc.—Los Angeles, Calif. — Plans election $190,000 bonds, financing transmission lines and appurtenances; $1,500,000 bonds, generation and transmission storage plants for power purposes; $1,250,000 bonds, completing Generating Plant 1; $450,000 bonds purchasing additional equipment for existing Receiving Station 1; $100,000 bonds, transportation equipment; $600,000 bonds, general structure and equipment; $750,000 bonds, additional central receiving station capacity; $460,000 bonds, receiving station at Wilmington; and $3,700,000 bonds, loop-line high voltage distribution rights-of-way. (Monies to be expended by City Water & Power Comn.)

Natatorium, etc.—Newport Beach, Calif.—Plans election $175,000 bonds, natatorium and plunge.

Culvert—Oakland, Calif.—Made plans concrete culvert across Lake Merritt Creek. $25,000. W. W. Harmon, city engr.

Oil Wells—Ontario—Clochester Oil & Gas Co., Thamesville, making plans drilling for oil, and putting down additional wells, here, Zone Twp. $25,000.

Bids Desired

Playground—Dorchester (Boston P. O.) **Mass.**—Aug. 13, by School House Dept., Boston, reconstructing and grading playground of Dorchester High School. $25,000. Private plans.

Seawall—Hull, Mass.—Aug. 19, by Dept. Pub. Wks., Boston, concrete seawall with heavy rip rap in front of wall as protection of shore at Point Allerton, here. $25,000 or more. W. F. Williams, comr.

Borings, etc.—Albany, N. Y.—Aug. 25, by A. E. Smith, gov. and chn. State Office Site & Building Comn., Executive Chamber, Capitol, test borings, also removing old buildings and clearing site for State Office Building. S. W. Jones, state archt.; adv. E. N.-R. Aug. 12. Noted Apr. 22 under "Buildings—Commercial."

Pier Shed—New York, N. Y.—Aug. 16, by M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., constructing pier shed and bulkhead shed for Pier New 35, Jefferson St., East River, Contr. 1871.

Boilers, etc.—Danville, Pa.—Aug. 26, by F. M. Sprout, chn. building com. Danville State Hospital, boilers and accessories, incl. traveling crane, grate stokers and combustion control; furnace arches and ash gates, etc. in power house; adv. E. N.-R. Aug. 12.

Railroad Crossings—Phila., Pa.—Aug. 18, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., crossings per Plans and Specifications, Contr. 23, 1926. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Culverts—Minnesota—See "Streets and Roads."

Stone Plant—Cisco, Tex.—See "Contracts Awarded."

Power and Light System—Crystal City, Tex.—See "Contracts Awarded."

Bids Received

Heating and Ventilating—Quincy (Boston P. O.), **Mass.**—City, P. Barbour, mayor, heating and ventilating system in New Junior High School, Granite St., from Stone-Underhill Heating & Ventilating Co., 171 Harrison Ave., Boston. $55,600.

Air Compressor—Kings Park, N. Y.—State Hospital Comn., Capitol, Albany, July 28, air compressors for Kings Park State Hospital, from Gillis & Geoghegan, Inc., 537 West Bway., **(Proposition 1)** $26,800 **(2)** $25,400 **(3)** $20,660 and **(4)** $19,400. Noted July 15.

Fire Alarm System—Long Island City, N. Y.—J. J. Dorman, fire comr., Municipal Bldg., New York City, Aug. 8, portion underground fire alarm system, in Long Island City and Astoria **(1)** from W. F. Kenny, 44 West 23rd St., New York City, $10,416, and **(2)** from J. Sugden Co., 67 West 44th St., New York City, $47,421. Noted Aug. 5.

Fish Hatchery — Springfield, Mo. — See "Contracts Awarded."

Contracts Awarded

Grand Stand and Field House—Brookline (Boston P. O.), **Mass.** — Town, concrete grand stand and field house, Pond Ave., to B. W. Neal, Inc., 293 Boylston St., Boston, $43,367. Noted July 15.

Swimming Pool and Shelter—Phila., Pa.—Dept. Welfare, Bureau of Recreation, 35 x 91 ft. rein.-con. swimming pool, and 48 x 145 ft. brick and steel shelter, Rodney St. and Ferry Rd., to J. F. Cady, 3301 Ashbourne St., $29,935. Noted Aug. 5.

Swimming Pool — Dayton, O. — See "Buildings—Educational, Religious."

Police Alarm System—Green Bay, Wis.—W. L. Kerr, city clk., constructing police alarm system, to Grebel-Jossart Electric Co., 531 South Bway., $24,500. Engrs. est. $30,000. Noted July 8.

Grade Reduction—Alva, Ill.—Mobile & Ohio R.R. Co., Fullerton Bldg., St. Louis, Mo., B. A. Wood, ch. engr., grade reduction on Cairo-St. Louis Division eliminating Rattlesnake Hill and steel curve west of Duquoin, to John Marsch, Inc., 1307 Wrightwood Ave., Chicago.

Grain Elevator — Decatur, Ill. — A. E. Staley Mfg. Co., 3,000,000 bu. capacity grain elevator, incl. working house, car receiving and shipping sheds, grain dryers, bleachers and storage annex, to Folwell-Ahlskog Co., 323 North Michigan Ave., Chicago, $1,500,000.

Culverts — Charles City, Ia. — See "Bridges."

Culverts—Newton, Ia.—See "Bridges."

Tunnel Kiln—St. Louis, Mo.—Evans & Howard Fire Brick Co., 920 Market St., 1 story, 40 x 396 ft., brick and steel tunnel kiln for brick factory, North and South Rd. between Clayton and Manchester Rds., St. Louis Co., to C. B. Harrop Co., 310 West Broad St., Columbus, O. Engrs. est. $100,000.

Fish Hatchery—Springfield, Mo.—State Game & Fish Comn., Jefferson City, will construct Chesapeake State Fish Hatchery, incl. one dam 825 ft. long, 12 ft. high, creating 15 acre lake, and 1 dam 950 ft. long, 20 ft. high, creating 30 acre lake, also 10 smaller lakes, etc., southwest of here, by day labor. $60,000.

Power and Light System—Crystal City, Tex.—Texas Central Power Co., c/o Frost Bldg., San Antonio, will build power and light system, here, by day labor. $30,000. Private plans.

Stone Plant—Cisco, Tex.—Bedford-Carthage Stone Corp., c/o G. B. Brancht, vice-pres. and mgr., will build 1 story, 82 x 142 ft. stone plant, steel and iron, by day labor. $50,000. Private plans.

Tunnel—Grass Valley, Calif.—Nevada Irrigation Dist., 21,600 lin.ft. Milton-Bowman tunnel, Contr. 3, to W. A. Bechtel Co., 625 Market St., San Francisco.

Crane Runway — Los Angeles, Calif. — Crane Co., 321 East 3rd St., 1 story, 109 x 327 ft., crane runway, 750 Keller St., to Union Iron Wks. of Los Angeles, 5125 Santa Fe Ave., $48,000.

Street Lighting System — Los Angeles, Calif. — Ornamental lighting system on Gardener St., to Electric Lighting Supply Co., 213 West 3rd St., $25,810; on Beverly Glen Blvd., to D. S. McEwan, 2930 Main St., $32,428; and on 11th St., to A. C. Rice, 1957 Santee St., $29,882. Grand total $88,130. Noted Aug. 5.

Bulkhead Harbor Wall—Toronto, Ont.—Toronto Harbor Comn., Harbor Bldg., constructing harbor bulkhead wall 3,000 concrete blocks on timber piling from Church St. to Paret St., to Port Arthur Constr. Co., Excelsior Life Bldg., $207,098. Engrs. est. $200,000.

Platforms—Toronto, Ont.—Steel Co. of Canada, 67 Yonge St., 2 concrete platforms at Swansea, to J. R. Page, 18 Toronto St. Engrs. est. $25,000-$30,000.

Materials

Bids Desired

Crossing Slips and Frogs—Phila., Pa.—Aug. 20, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., crossing slips and frogs, Contr. 25-1926. A. C. Shand, Broad St. Sta., ch. engr. for railroad.

Cedar Poles—Cleveland, O.—Aug. 13, by City, two hundred 40 ft. 7 in. top, two hundred 40 ft. 8 in. top, and one hundred 45 ft. 8 in. top cedar poles.

Bids Received

Piles — Los Angeles, Calif. — Harbor Comn., June 16, creosoted piles for Berth 228-D and E, 50,126 lin.ft. 54 to 68 ft. long, from Baxter Co., 108 West 6th St., $35,840. Noted June 10.

Contracts Awarded

Guard Rail—South Dakota—State Hy. Comn., Pierre, 15,906 ft. guard rail for 4 projects, to E. & G. Constr. Co., Centerville, $5,290; and 5,674 ft., to Kibbey Eng. Co., St. Paul, Minn., $2,262.

See proposal advertising on page 129

Constr. News page 115

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Electric Light Plants
Electric Welders
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Excavators
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Road Rollers
Road Scrapers
Sand Cutters
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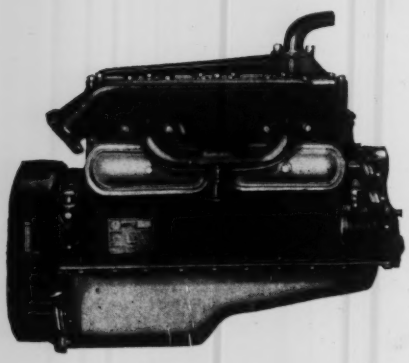
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